THE PANAMA CANAL RECORD

VOLUME 27

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THE PANAMA CANAL RECORD

PUBLISHED MONTHLY UNDER
THE AUTHORITY AND SUPER-
VISION OF THE PANAMA CANAL

AUGUST 15, 1933 TO JULY 15, 1934

VOLUME XXVII
WITH INDEX

THE PANAMA CANAL
BALBOA HEIGHTS, CANAL ZONE
1934

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THE PANAMA CANAL RECORD

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Volume XXVII. Balboa Heights, C. Z., August 15, 1933. No. 1.

Traffic Through the Panama Canal in July 1933

The total vessels of all kinds transiting the Canal during the month of July in the two preceding years and in 1933 are shown in this tabulation:

	July 1931	July 1932	July 1933
Commercial ocean vessels	406	326	401
Commercial launches (under 20 tons)	5	6	8
Noncommercial vessels:			
United States Government	34	33	31
Vessels transiting solely for repairs	2	4	1
Total	447	369	441

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried and tolls collected, from the commercial traffic transiting the Canal each month for the 12-month period ended July 31, 1933, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1931-32	1932-33	1931-32	1932-33	1931-32	1932-33	1931-32	1932-33
August	390	314	1,998,194	1,658,112	1,789,234	1,349,453	$1,770,202.71	$1,440,848.87
September	396	353	2,070,873	1,868,391	1,754,855	1,347,144	1,820,735.75	1,598,265.98
October	390	394	2,081,600	1,988,133	1,762,670	1,582,261	1,823,650.74	1,714,779.06
November	376	388	2,001,745	2,035,796	1,577,523	1,531,509	1,762,036.19	1,756,865.84
December	387	431	2,033,158	2,080,069	1,648,904	1,621,581	1,757,869.54	1,781,940.03
January	377	415	2,022,275	2,069,218	1,593,585	1,463,503	1,770,250.68	1,762,808.56
February	358	368	1,878,177	1,832,658	1,645,393	1,434,862	1,647,797.06	1,575,708.35
March	363	399	1,864,896	1,989,044	1,643,952	1,738,227	1,645,366.81	1,718,908.41
April	370	370	1,863,692	1,839,597	1,443,731	1,527,978	1,608,634.67	1,554,250.14
May	357	372	1,956,958	1,883,249	1,676,790	1,629,982	1,717,401.26	1,617,943.65
June	336	364	1,743,150	1,901,117	1,404,558	1,691,247	1,534,793.19	1,629,411.28
July	326	401	1,676,492	2,051,128	1,259,981	1,699,039	1,468,728.36	1,732,164.93
Total	4,426	4,569	23,191,210	23,196,512	19,201,176	18,616,786	20,327,466.96	19,883,895.10

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States, Panamanian, and Colombian Governments, including merchant vessels chartered by these Governments, and vessels transiting solely for repairs, do not pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Summary of Traffic by Nationality of Vessels for July 1933

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	77	435,963	326,198	Netherlands	6	39,731	16,423
Danish	6	33,196	25,787	Norwegian	28	139,291	124,057
Danzig	8	65,508	65,216	Panamanian	28	27,802	13,133
French	6	35,805	34,564	Peruvian	1	1,896	4,000
German	31	89,620	88,395	Swedish	10	36,675	64,480
Italian	5	36,767	15,619	United States	175	1,014,533	823,234
Japanese	17	92,893	97,022	Venezuelan	2	1,448	911
Mexican	[1] 1	.....	.....				

[1] Naval vessel of 1,227 tons displacement.

Traffic by Trade Routes, July 1933

The movement of vessels over trade routes is summarized in the following table. They are classified according to primary origin and ultimate destination of the voyage through the Canal and the cargo listed is the total aboard at time of transit. Cargo may be laden or discharged between the terminal areas indicated, hence in the cargo listed below there may be some which had other origin or destination:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	75	436,726	207,221	60	347,013	431,659
East coast United States and:						
Philippine Islands	3	21,994	12,724	15	85,114	104,972
Far East	22	122,874	103,513	5	29,919	19,525
South America	12	60,919	5,796	9	40,485	70,944
Hawaiian Islands	1	5,450	7,457	4	21,694	32,808
Australasia	3	16,472	11,140	.....	.....	.....
Central America	5	11,956	1,085	6	11,460	5,491
Europe and:						
Canada	26	160,227	50,075	29	167,703	230,537
South America	13	91,400	14,670	19	112,771	166,429
Australasia	4	38,847	13,663	5	34,155	22,838
United States	3	21,232	.....	3	19,874	36,223
Central America	1	4,322	2,065	1	1,827	3,518
Hawaiian Islands	1	5,485	4,844	.....	.....	.....
Far East	.....	.....	.....	1	5,397	8,250
Canadian intercoastal	2	5,875	1,812	1	1,833	3,040
East coast Canada and:						
South America	3	22,880	.....	3	21,251	45,577
Australasia	2	8,599	2,972	1	5,518	4,395
Far East	1	4,672	7,800	.....	.....	.....
United States	1	3,531	1,615	.....	.....	.....
East coast South America and:						
Canada	3	14,956	11,327	2	9,991	9,561
Far East	1	5,821	3,679	.....	.....	.....
Central America	1	488	.....	.....	.....	.....
Cristobal and:						
South America	12	7,386	1,657	13	8,427	8,665
Central America	7	2,875	2,286	2	1,289	699
Balboa	2	44	.....	5	112	140
West Indies and:						
South America	2	4,779	911	2	2,620	4,000
Far East	1	5,737	10,626	.....	.....	.....
Around the world	2	17,702	6,207	1	6,037	4,623
Foreign vessels in ballast (U.S. intercoastal)	1	4,550	.....	.....	.....	.....
Africa and South America	1	8,337	.....	.....	.....	.....
Vessels not engaged in commerce (yachts, etc.)	.....	.....	.....	3	502	.....

Principal Commodities

Commodities which aggregated 10,000 or more tons either during the past month or in the corresponding month in 1932 are listed below:

Commodity	July 1932	July 1933
Atlantic to Pacific		
Corn	15,439	3,886
Cotton, raw	33,265	46,143
Iron and steel, manufactures of	43,673	80,991
Oils, mineral	25,619	45,040
Ores, various	10,688	139
Paper	20,277	19,491
Scrap metal	16,930	24,761
Sulphur	10,559	20,180
Tinplate	14,669	15,914
Pacific to Atlantic		
Barley	13,847	20,114
Canned goods, various	52,981	59,089
Cold storage (food products) [1]	12,102	13,141
Pacific to Atlantic—Continued		
Cotton, raw	11,496	11,701
Flour	10,197	22,998
Fruit, dried	10,182	12,265
Fruit, fresh	12,171	12,478
Lumber	105,628	219,715
Metals	28,728	40,617
Nitrates	7,175	36,107
Oils, mineral	276,735	277,554
Ores	6,661	54,585
Sugar	116,875	153,305
Wheat	133,232	84,552
Wood pulp	4,186	14,170
Wool	6,839	14,384

[1] Does not include fresh fruit.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of July 1933, as reported in the cargo declarations, showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations small items are frequently grouped under the designation

of "general cargo;" the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts	.....	.....	57	.....
Agricultural implements	500	6	947	6
Alfalfa meal	.....	1,556	.....	1556
Ammonium compounds	141	.....	6,202	50
Animal foods [1]	206	478	211	478
Apparel, wearing (hats, shoes, clothing, etc.)	116	.....	194	5
Asbestos	184	.....	792	.....
Asphalt and tar	33	57	3,052	814
Automobiles (and autotrucks)	4,181	36	6,482	44
Automobile parts and accessories	996	87	5,179	87
Bags and bagging, textile	247	305	764	642
Bananas	.....	.....	.....	5,151
Barks, miscellaneous	.....	156	33	1,067
Barley	.....	11	.....	20,114
Beans, edible, dry	18	2,996	50	5,414
Beer	409	.....	742	5
Beverages, nonalcoholic	286	.....	315	.....
Blood and tankage	.....	.....	341	.....
Bones and bone meal	.....	.....	1,488	.....
Books and printed matter	76	.....	76	.....
Borax	20	902	26	5,832
Bran and pollards	.....	.....	1,668	1,210
Bricks and tile	288	.....	513	.....
Camphor, crude	.....	.....	.....	64
Canned and preserved goods:				
Fish	575	8,587	1,070	12,015
Fruit	1,267	13,439	1,290	30,257
Meat	.....	163	942	529
Milk	52	853	247	940
Soup	769	.....	790	.....
Vegetables	1,474	2,514	1,572	2,635
Miscellaneous and unclassified	3,088	11,761	3,493	12,713
Carbon black	144	.....	568	.....
Celite	.....	166	.....	201
Cement	570	.....	7,906	398
Chalk	.....	.....	1,398	.....
Charcoal	82	.....	82	.....
Chemicals [1]	2,369	1,408	6,438	1,516
Clay, china and fire	462	43	759	43
Clay, filtering	.....	241	.....	241
Coal	1,355	.....	2,355	.....
Cocoa and cacao beans	200	.....	1,086	1,991
Coconuts and products [1]	734	423	735	693
Coffee	267	44	6,165	8,462
Coke	1,201	.....	6,683	.....
Cold storage and refrigerated products:				
Dairy products	16	.....	126	5,152
Eggs	.....	281	.....	448
Fish	14	35	14	261
Lard	.....	.....	18	.....
Meats	5	.....	43	6,762
Poultry	.....	12	.....	12
Vegetables	.....	.....	6	122
Other and unclassified	.....	80	5	384
Confectionery	910	.....	954	.....
Copra	.....	.....	.....	6,643
Copra meal and cake	.....	.....	.....	3,074
Corn	3,784	.....	3,886	2,520
Cotton, raw	949	793	46,143	11,701
Creosote	25	.....	75	.....
Drugs and medicines	903	.....	957	.....
Dyes	83	.....	745	.....
Earthenware	41	13	189	13
Eggs, dried	.....	.....	.....	257
Electrical apparatus and appliances	821	51	1,019	54
Explosives	95	.....	538	.....
Extract, quebracho	.....	.....	161	.....
Fertilizers [1]	50	16	2,189	735
Fish, salted or dry cured	.....	.....	1	10
Fish meal	.....	.....	.....	687
Floor coverings	1,045	384	1,064	752
Flour	141	18,108	1,053	22,998
Fruit, dried	6	6,964	183	12,265
Fruit, fresh [1]	.....	3,907	.....	12,478
Furniture and household goods	536	239	605	240

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Gallnuts				10
General	22,981	13,509	40,631	23,767
Glass and glassware	2,293	71	3,789	181
Glue	21	201	21	221
Groceries	449	28	536	28
Guano				3,500
Gums		76		214
Hair, all kinds		13		48
Hay		406	3	406
Hemp, unmanufactured		128	11	1,541
Honey		394		669
Hops		16		16
Horns and hoofs				109
Infusorial earth		757		975
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	61,137	896	80,991	1,009
Ivory nuts				2,101
Jute, unmanufactured				6
Lard substitute	811		811	
Lime			17	
Liquors	143	1	667	8
Lumber (including manufactured mill products)	6,497	150,563	6,930	219,715
Machinery	2,622	424	6,009	494
Malt	131		2,274	105
Manufactured goods [1]	4,577	746	6,119	1,591
Marble and granite	30		79	
Matches	297	165	306	194
Metals:				
Antimony		76		216
Copper		3,280	821	25,129
Gold and silver	15	171	15	466
Iron	513		1,657	
Lead		523	5	8,093
Tin	297	53	362	1,665
Zinc	85		1,230	4,445
Other and unclassified	190	356	300	603
Milk, powdered	72	927	112	996
Molasses and syrups	70		70	
Nitrates	4,959		8,855	36,107
Nuts, edible (including meats)	32	178	223	178
Oats	88		113	8,018
Oils, mineral:				
Crude	70		70	104,790
Gas and fuel	13		681	9,335
Gasoline, benzine, and naphtha	8,092	113,683	9,133	161,138
Kerosene		754	16,010	793
Lubricating and greases	7,818	1,385	18,776	1,498
Other and unclassified	14		370	
Oils, vegetable:				
Coconut		449		3,968
Cottonseed	6,020		6,022	
Linseed	19	12	1,173	12
Olive			648	
Rapeseed		36		170
Wood	18		18	2,218
Other and unclassified	798	158	2,033	1,839
Oil, fish	13	13	110	40
Oil, whale			16	121
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)		13	700	1,158
Oilseed cake and meal	329	125	339	2,884
Ores:				
Antimony		56		166
Chrome	77		77	
Copper				3,639
Gold and silver				19
Iron			35	43,302
Lead				438
Magnesite		307		307
Manganese				251
Tin		41		3,735
Zinc			27	2,650
Other and unclassified		7		78
Paints and varnishes	863	40	1,319	46
Paper and paper products [1]	9,858	5,896	19,491	8,757
Paper scrap		1,015	70	1,015
Peanuts	502	89	502	89
Peas, dry				3,612
Peatmoss			191	
Phosphates	131		4,251	5,500
Plaster			25	

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Porcelainware	20	110	168	2,636
Potash	.....	3,590	3,092	3,590
Rags and waste	153	229	599	1,127
Railroad material	141	.....	1,070	.....
Rice	270	455	298	2,924
Rope and twine	197	87	350	89
Rosin	1,508	.....	3,372	.....
Rubber:				
Manufactured	1,036	201	1,278	304
Raw	50	.....	93	1,165
Scrap	.....	19	110	341
Salt	418	.....	3,336	.....
Sand	1,341	.....	3,944	.....
Scrap metal	250	443	24,761	619
Seeds (except oilseeds)	84	140	1,666	279
Sewer pipe (concrete and terra cotta)	623	.....	623	.....
Shells, oyster	1,033	.....	1,036	.....
Silk, raw	.....	1,100	15	2,261
Skins and hides	.....	2,572	225	6,867
Slag	.....	.....	50	.....
Slate	800	.....	800	.....
Soaps and products	2,971	214	3,322	335
Soda and sodium compounds	2,252	23	4,114	3,015
Soy beans	45	.....	45	8,250
Sugar	.....	24,790	126	153,305
Sulphur	19,842	.....	20,180	280
Talc	43	170	43	180
Tallow	.....	20	.....	638
Tea	.....	9	124	1,136
Textiles [2]	4,738	270	7,372	1,064
Tinplate	246	.....	15,914	40
Tobacco and manufactures	741	5	3,319	57
Toilet preparations	224	.....	262	61
Turpentine	384	.....	399	9
Vegetables, dry [1]	.....	.....	22	56
Wall board	188	.....	204	85
Wax, paraffin	442	.....	1,079	.....
Wheat	.....	.....	100	84,552
Wines	23	194	190	942
Wood pulp	74	11,363	3,568	14,170
Wool	.....	10,153	147	14,384
Total, July 1933	214,816	431,309	485,145	1,213,894
Total, July 1932	154,737	304,761	362,717	897,264
Total, July 1931	183,358	415,206	500,136	1,366,667

[1] Except as otherwise classified. [2] Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during July 1933, classified according to trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	18	102,627	[1] 13,498	10	59,818	115,721
East coast United States and South America	3	16,650	.....	1	5,049	10,281
United States and Far East	1	4,971	8,361	.....	.....	.....
East coast Canada and South America	3	22,880	.....	3	21,251	45,577
West Indies and South America	1	724	911	2	2,620	4,000
West Indies and Far East	1	5,737	10,626	.....	.....	.....
Europe and United States	3	21,232	.....	3	19,874	36,223
Europe and South America	4	31,222	.....	4	32,754	65,216
Africa and South America	1	8,337	.....	.....	.....	.....
Total	35	214,380	33,396	23	141,366	277,018

[1] Includes 5,498 tons cottonseed oil.

Comparison of Canal Traffic in July 1933, with July Traffic in Previous Years

Calendar year	Month of July: Commercial transits	Month of July: Panama Canal net tonnage	Month of July: Tons of cargo	Fiscal year	Average per month for fiscal year: Commercial transits	Average per month for fiscal year: Panama Canal net tonnage	Average per month for fiscal year: Tons of cargo
1915	[1] 166	542,676	715,253	1915	[2] 102	361,197	465,567
1916	145	482,202	624,061	1916	63	199,687	257,843
1917	181	557,411	664,924	1917	150	483,213	588,213
1918	169	497,489	584,998	1918	172	547,839	627,669
1919	158	510,808	568,172	1919	169	510,416	576,385
1920	225	856,798	886,814	1920	206	712,170	781,208
1921	206	810,613	708,982	1921	241	951,323	966,601
1922	251	1,127,871	1,211,100	1922	228	951,455	907,075
1923	474	2,310,027	2,337,784	1923	331	1,550,482	1,630,656
1924	422	2,036,097	2,097,154	1924	436	2,179,073	2,249,559
1925	418	1,951,295	1,960,654	1925	389	1,904,596	1,996,570
1926	456	2,154,821	2,185,527	1926	433	2,064,549	2,169,787
1927	509	2,406,955	2,450,468	1927	456	2,185,651	2,312,351
1928	509	2,318,395	2,291,955	1928	538	2,454,886	2,469,226
1929	527	2,468,280	2,598,162	1929	534	2,468,483	2,555,250
1930	488	2,438,895	2,402,047	1930	515	2,498,385	2,502,519
1931	406	2,110,701	1,866,803	1931	461	2,316,012	2,090,233
1932	326	1,676,492	1,259,981	1932	376	1,968,785	1,650,667
1933	401	2,051,128	1,699,039	1933	375	1,901,823	1,514,811
.....	.....	.....	.....	(3)	384	1,938,002	1,597,834

[1] Canal opened August 15, 1914. [2] Average for 10½ months. [3] Average 7 months of calendar year 1933.

Terminal Activities

Ships repaired during the month of July 1933, numbered 48, including 5 which were drydocked. Fuel oil in the quantity of 219,763 barrels was delivered as bunkers to 82 vessels. Bunker coal amounting to 5,093 tons was delivered to 21 vessels. Sales of commissary supplies to vessels aggregated $53,003.42.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving.....tons..	29,782	41,125	70,907
Local cargo shipped.....tons..	4,420	157	4,577
Cargo received for transshipment.....tons..	27,986	1,810	29,796
Cargo transshipped.....tons..	27,828	1,487	29,315
"Canal Zone for orders" cargo:			
Number of receipts issued.....	92	40	132
Number of releases issued.....	707	253	960
Tons received.....	536	193	729
Tons withdrawn.....	484	200	684

All Vessels Entering and Clearing Port

	Port of Cristobal: No. of ships	Port of Cristobal: Registered gross tonnage	Port of Cristobal: Registered net tonnage	Port of Balboa: No. of ships	Port of Balboa: Registered gross tonnage	Port of Balboa: Registered net tonnage
Ships entering						
All vessels, including those transiting Canal..	453	2,890,057	1,707,125	422	2,596,307	1,547,210
Vessels entering port but not transiting Canal.	61	406,850	210,073	14	78,297	43,807
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	104	677,153	403,068	109	749,733	432,600
Ships clearing						
All vessels, including those transiting Canal..	453	2,911,350	1,718,336	423	2,603,058	1,550,652
Vessels clearing port but not transiting Canal.	62	431,850	226,064	13	72,903	40,486
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	106	681,862	404,984	109	755,910	436,372

Passengers

Ocean ship passengers disembarking at Cristobal numbered 1,610; embarking, 2,187; at Balboa, 593 disembarking and 691 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 3,337; from the Pacific to the Atlantic, 3,392. Commercial aircraft numbering 46 entered Cristobal, and 109 passengers disembarked; clearances were 46, with 91 passengers embarking. One aircraft entered Balboa, discharging 3 passengers; 1 aircraft cleared with no passengers embarking.

Movements of Ocean Vessels Through the Panama Canal

From midnight July 15, to midnight August 15, 1933

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Manizales	14	16	Ger...	Grace Line	Cristobal, C.Z...	Guayaquil,Ecuad	General	252
J.H. Senior [1] [2]	15	16	Danz..	Baltic. Amer. Pet. Co.	Havre, France...	Talara, Peru	Ballast	
K.I. Luckenbach	15	16	Amer..	Luckenbach Line	Houston, Texas..	Seattle, Wash...	General	2,769
Galveston [2]	15	16	Amer..	Roosevelt S.S. Co.	Philadelphia, Pa.	Fremantle, Aust.	General	4,899
Point Ancha	16	16	Amer..	Swayne & Hoyt	Galveston, Texas	Seattle, Wash...	([14])	3,689
Nuevo Panama [2]	15	16	Pan...	Hans Elliot	Cristobal, C.Z...	B'ventura, Col...	General	55
Eastern Sun [1] [2]	16	17	Amer..	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Standard Arrow [1]	17	17	Amer..	Standard Oil Co.	Boston, Mass....	Los Angeles, Cal.	Ballast	
Nankai Maru [2]	17	17	Jap...	Osaka Shosen Kaisha.	Philadelphia, Pa.	Dairen, China...	([15])	6,950
Virgilio [2]	17	18	Ital...	Soc.Ital.Flotte Riu'ite	Genoa, Italy	Valparaiso, Chile.	General	333
Ohioan	18	18	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash...	General	2,274
Steel Mariner	18	18	Amer..	Isthmian S.S. Lines..	Baltimore, Md...	Honolulu, T.H...	([16])	7,457
Cressington Court. [2]	18	18	Brit...	Canadian Transp. Co.	Swansea, Eng...	Vancouver, B.C..	Ballast	
Cali	15	19	Ger...	North German Lloyd.	Cristobal, C.Z...	Guayaquil,Ecuad	General	340
Stemsby [2]	18	19	Dan...	Canadian Transp. Co.	Corner Brook,NF	Seattle, Wash...	Newsprint	1,615
Parthenia	19	19	Brit...	Donaldson Line	Glasgow, Scot...	Vancouver, B.C..	General	692
San Benito	19	20	Pan...	United Fruit Co.	Boston, Mass....	Pto. Arm'les,R.P.	Ballast	
Slemmestad [2]	19	19	Nor...	Fern Line	Houston, Texas..	Shanghai, China.	General	4,816
Queen City	19	19	Brit...	States Marine Corp..	Galveston, Tex..	Osaka, Japan...	Cotton	6,000
Langleegorse	19	19	Brit...	Chile Nitrate Corp...	Port Royal, Jam.	Ant'fagasta,Chile	Ballast	
Real [3]	18	...	Pan...	Hans Elliot	Cristobal, C.Z...	Balboa, C.Z.	Ballast	
Sambu [3]	18	...	Pan...	Hans Elliot	Cristobal, C.Z...	Balboa, C.Z.	Ballast	
Harry Luckenbach.	20	20	Amer..	Luckenbach Line	Boston, Mass....	Seattle, Wash...	General	2,972
Athelduchess [1] [2]	20	20	Brit...	United Mollases Co...	Swansea, Eng...	Los Angeles, Cal.	Ballast	
Santa Clara	20	21	Amer..	Grace Line	New York, N.Y.	SanAntonio,Chile	General	2,496
Steelore	20	20	Amer..	Bethlehem Steel Corp.	Baltimore, Md...	Cruz Gr'de, Chile	Ballast	
Charles R. McCormick.	20	21	Amer..	McCormick S.S. Co..	New York, N.Y.	Tacoma, Wash...	General	3,286
Flomar	20	21	Amer..	Calmar Line	Philadelphia, Pa.	Seattle, Wash...	Gen., steel..	6,985
President Garfield	21	21	Amer..	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	3,380
Washington [2]	21	21	Fr...	French Line	Newcastle, Eng..	Vancouver, B.C..	General	6,541
Invercorrie [1]	21	21	Venez.	Largo Oil Transp. Co.	Aruba, D.W.I...	B'ventura, Col...	Gasoline	911
Santa Elisa	20	22	Amer..	Panama Mail S.S. Co.	New York, N.Y..	S. Francisco, Cal.	Gen., coffee..	1,880
Rhein [2]	20	22	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Valparaiso, Chile.	General	1,944
Oregon Maru	22	22	Jap...	Kawasaki K. Kaisha.	Galveston, Texas	Osaka, Japan...	Cotton	4,622
Nuevo Panama [2]	21	22	Pan...	Hans Elliot	Cristobal, C.Z...	B'ventura, Col...	General	50
Peter Maersk [2]	22	22	Dan...	Isbrandtsen Moller...	Boston, Mass....	Iloilo, P.I.	General	4,482
Swan [10]	...	...	Amer..	U.S. Navy	Cristobal, C.Z...	Balboa, C.Z.	Ballast	
Holystone	22	23	Brit...	Anglo-Can. Ship. Co..	Montreal,Canada	Vancouver, B.C..	Ballast	
American	22	23	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Portland, Oreg...	General	2,657
Jacob Luckenbach	23	23	Amer..	Luckenbach-Gulf Co.	Mobile, Ala.	Tacoma, Wash..	General	5,492
Este	22	23	Ger...	North German Lloyd.	Hamburg, Ger...	Vancouver, B.C..	General	6,417
Dirigio [1]	23	23	Amer..	The Texas Co.	Port Arthur, Tex.	Shanghai, Chiua.	([17])	8,361
J.A.Mowinckel [1] [2]	23	23	Danz..	W. Tankschiff Rhed'i.	Ceuta, Morocco..	Talara, Peru	Ballast	
Willmoto [2]	24	24	Amer..	Williams S.S. Line	New York, N.Y.	Seattle, Wash...	General	3,012
Indra [2]	24	24	Nor...	Scand. S. Pacfic Line.	Oslo, Norway	Valparaiso, Chile	General	2,954
San Rafael	24	24	Amer..	States S.S. Co.	New York, N.Y.	Seattle, Wash...	General	2,460
Cerigo	22	24	Ger...	Hamburg-Amer. Line.	Cristobal, C.Z...	Guayaquil,Ecuad	General	211
Tai Yang [2]	24	25	Nor...	Barber Wilhelmsen...	New York, N.Y.	Shanghai, China.	General	1,330
Antietam [1]	25	25	Amer..	Shell Petroleum Co...	Baltimore, Md...	Los Angeles, Cal.	Ballast	
Abraham Lincoln [2]	25	25	Nor...	Fred Olsen & Co.	Hull, Eng.	Vancouver, B.C..	General	3,217
Tuscaloosa City..	25	25	Amer..	Isthmian S.S. Lines..	Swansea, Eng...	Vancouver, B.C..	Tinplate,gen.	5,935
Lebore	25	25	Amer..	Ore S.S. Corp.	Baltimore, Md...	Cruz Gr'de, Chile	Ballast	
Great City	25	25	Brit...	W. R. Smith & Sons..	New Orleans, La.	Yawata, Japan..	([18])	7,153
Australind [2]	18	26	Brit...	Amer.-Australian Line	Philadelphia, Pa.	Brisbane, Aust...	General	3,409
Virginian	25	25	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash...	Gen., autos..	2,500
Beaconlight [1]	25	25	Amer..	Standard Ship. Co...	Baltimore, Md...	Los Angeles, Cal.	Ballast	
San Bruno	26	27	Pan...	United Fruit Co.	Boston, Mass....	Pto.Arm'les,R.P.	Ballast	
Sambu [3]	25	26	Pan...	Hans Elliot	Cristobal, C.Z...	Pto.Arm'les,R.P.	General	4
Real [3]	25	26	Pan...	Hans Elliot	Cristobal, C.Z...	Balboa, C.Z.	Ballast	
No. 101 [5]	...	...	Amer..	U.S. Army	Cristobal, C.Z...	Gatun, C.Z.	Ballast	
Lochkatrine [2]	26	26	Brit...	Royal Mail Line, Ltd.	Rotterdam, Holl.	Vancouver, B.C..	Gen.,textiles.	1,519
Southern Sun [1] [2]	26	26	Amer..	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
City of Bagdad..	25	26	Brit...	G. Smith & Sons.	New York, N.Y.	Dalny, China	General	3,835
Ryoyo Maru [2]	26	27	Jap...	Kawasaki K. Kaisha.	Charleston, S.C..	Japan	Ballast	
Loreto [2]	26	27	Brit...	Pacific Steam Nav. Co	Hull, Eng.	Valparaiso, Chile	General	2,206
Cadillac [1]	26	27	Brit...	Anglo-Amer. Oil Co..	Nyborg, Den...	Los Angeles, Cal.	Ballast	
Missoula	26	28	Amer..	Stauffer Chemical Co.	Freeport, Texas..	Los Angeles, Cal.	Sulphur	5,833
Montevideo Maru. [2]	27	27	Jap...	Osaka Shosen Kaisha.	BuenosAires,Arg.	Yokohama,Japan	Cotton, wool.	3,679
West Nilus	26	27	Amer..	McCormick S.S. Co..	Rosario, Arg.	Vancouver, B.C.	Coffee, gen..	5,034
Lillian Luckenbach.	27	27	Amer..	Luckenbach Line	Boston, Mass....	Seattle, Wash...	General	2,824

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [10] Mine sweeper. [14] Lumber, pipe, etc. [15] General, cotton, iron. [16] Phosphates, general. [17] Kerosene, lubricating oil. [18] Scrap iron, cotton.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Canadian Beaver	27	27	Brit...	(14)	Sarnia, Canada	Vancouver, B.C.	General	1,812
President Wilson	27	28	Amer..	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	1,601
Neches [2]	25	28	Amer..	U.S. Navy	Cristobal, C.Z.	Los Angeles, Cal.	Ballast	.....
California	28	28	Amer..	Panama-Pacific Line	New York, N.Y.	S. Francisco, Cal.	General	2,644
Mataroa	28	29	Brit...	Shaw, Savill & Albion	London, Eng.	Auckland, N.Z.	General	2,100
Pacific Grove [2]	27	28	Brit...	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B.C.	General	455
Muntropic	28	28	Amer..	Shepard S.S. Co	Boston, Mass.	Seattle, Wash.	General	5,250
Chinese Prince [2]	28	28	Brit...	Furness, Withy & Co.	Baltimore, Md.	Singapore,St.Set.	Steel, gen.	1,732
Spencer Kellogg [1]	28	28	Amer..	Kellogg S.S. Co	New Orleans, La.	S. Francisco, Cal.	(15)	5,498
Point Gorda	28	28	Amer..	Swayne & Hoyt	Panama City,Fla.	S. Francisco, Cal.	(16)	3,415
Heina [2]	28	28	Nor...	West Indian Trad. Co.	Aalborg, Den.	Corinto, Nica'gua	Cem't, cattle	2,065
Gen. Wm. M. Graham. [11]	...	...	Amer..	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Sirius [13]	27	...	Amer..	U.S. Navy	Norfolk, Va.	San Diego, Cal.	General	2,575
Acajutla	22	29	Brit...	Pacific Steam Nav.Co.	Cristobal, C.Z.	Champ'ico, Guat.	General	539
Santa Inez [2]	28	29	Amer..	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	539
Nuevo Panama [2]	27	29	Pan...	Hans Elliott	Cristobal, C.Z.	B'ventura, Col.	General	25
Losmar	28	29	Amer..	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,471
Hokuroku Maru [2]	29	29	Jap...	Osaka Shosen Kaisha.	Boston, Mass.	Moji, Japan	General	7,283
Baarn	29	30	Neth..	Royal Neth. S.S. Co.	Hamburg, Ger.	Corral, Chile	General	1,215
Imperial Valley	29	29	Brit...	W.R. Smith & Sons	Houston, Texas.	Osaka, Japan	Cotton	5,447
Ingola	29	29	Brit...	Maclay & McIntyre	Portland, Me.	Puntarenas, C.R.	R.R. iron	1,085
Point Brava	29	29	Amer..	Swayne & Hoyt	New Orleans, La.	S. Francisco, Cal.	General	3,565
Barbara Cates	29	29	Amer..	Sudden & Christenson	Jacksonville, Fla.	Los Angeles, Cal.	General	3,536
Santa Elena	29	30	Amer..	Panama Mail S.S.Co.	New York, N.Y.	Seattle, Wash.	Gen, coffee	2,402
Reginolite [1] [2]	29	30	Brit...	Imperial Oil Co	Newp't News,Va.	Talara, Peru	Ballast	.....
Montanan	29	30	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,397
Dalveen	30	30	Brit...	Salagencia	Baltimore, Md.	Valparaiso, Chile.	Ballast	.....
Mercury Sun [1] [2]	30	30	Amer..	Shell Oil Co	Perth A'boy,N.J.	Los Angeles, Cal.	Ballast	.....
Sidney M. Hauptman.	30	30	Amer..	McCormick S.S. Co.	Philadelphia, Pa.	Tacoma, Wash.	(16)	1,850
Manizales	28	...	Ger...	North German Lloyd.	Cristobal, C.Z.	Balboa, C.Z.	Drydocking	.....
W.S. Miller [1]	30	31	Amer..	Shell Oil Co	Fall River, Mass.	S. Francisco, Cal.	Ballast	.....
W.S. Rheem [1]	31	31	Amer..	Sun Oil Co	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	.....
Trondanger [1] [2]	31	31	Nor...	Interocean Line	Rotterdam,Neth.	Vancouver, B.C.	Ballast	.....
Santa Cecilia	31	31	Amer..	Argonaut S.S. Co	New York, N.Y.	Seattle, Wash.	General	2,907
Oakland [2]	30	31	Ger...	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	3,532
Rialto [2]	30	31	Ital...	Nav. Lib. Triestina	Trieste, Italy	Vancouver, B.C.	General	1,252
Almirante Grau [1] [2]	31	...	Peru...	Peruvian Government	Trinidad, B.W.I.	Callao, Peru	Ballast	.....
R-1 [7]	31	...	Peru...	Peruvian Government	Trinidad, B.W.I.	Callao, Peru	Ballast	.....
R-4 [7]	31	...	Peru...	Peruvian Government	Trinidad, B.W.I.	Callao, Peru	Ballast	.....
Meigs [8]	30	3	Amer..	U.S. Army	Brooklyn, N.Y.	S. Francisco, Cal.	Supplies	2,417
Fernbrook [2]	31	1	Nor...	Fern Line	Houston, Texas.	Yokohama,Japan	Cotton, gen.	4,044
Port Fremantle [2]	1	1	Brit...	Com'lth & Dom. Line	London, Eng.	Fremantle,Aus'lia	General	4,696
Covena	1	1	Amer..	HammondLumberCo.	Freeport, Texas.	S. Francisco, Cal.	Sulphur	3,025
San Gabriel	1	1	Amer..	Quaker S.S. Line	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Durazzo	30	1	Ger...	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil,Ecuad	General	300
Marore	1	1	Amer..	Ore S.S. Corp	Baltimore, Md.	Gruz Gr'de, Chile	Ballast	.....
Minnesotan	1	2	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,475
J-26 [5]	1	...	Amer..	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Gen. Wm. M. Graham. [11]	...	...	Amer..	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Daylight [1] [2]	2	2	Amer..	Stand. Vacuum Tr'sp.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Hegira	2	2	Amer..	Pac. Coast DirectLine	Boston, Mass.	Seattle, Wash.	Steel	2,450
San Gil	2	3	Pan...	United Fruit Co	Boston, Mass.	Pto. Arm'les,R.P.	Ballast	.....
Svealand [2]	2	2	Swed..	Ore S.S. Corp	Baltimore Md.	Cruz Gr'de, Chile	Ballast	.....
Alabama	2	2	Fr.....	French Line	Havre, France.	Talcahuano,Chile	General	609
Real [3]	1	2	Pan...	Hans Elliot	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Sambu [3]	1	2	Pan...	Hans Elliot	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Cape York [2]	2	2	Brit...	Lyle Shipping Co	Manchester, Eng.	Vancouver, B.C.	Ballast	.....
Henry D. Whiton.	2	3	Amer..	Texas Gulf Sul. Co.	Galveston, Texas	Tacoma, Wash.	Sulphur	6,400
El Aleto [1] [2]	2	3	Brit...	Anglo-Ecuad. Oil Co.	Philadelphia, Pa.	LaLibertad,Ecua.	Ballast	.....
Horace Luckenbach.	3	3	Amer..	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,867
Steel Exporter	3	3	Amer..	Isthmian S.S. Lines	Baltimore, Md.	S. Francisco, Cal.	Steel, gen.	4,605
Liverpool Maru	3	3	Jap...	Kokusai Line	Jacksonville, Fla.	Yawata, Japan	Cotton, gen.	6,413
Santa Maria [2]	3	4	Amer..	Grace Line	New York, N.Y.	SanAntonio,Chile	General	2,873
J-26 [5]	...	...	Amer..	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
San Bernardino	3	4	Amer..	Quaker S.S. Line	Philadelphia, Pa.	Portland, Oreg.	General	2,905
Beneruachan	4	4	Brit...	Anglo-Can. Ship. Co.	Baltimore, Md.	Vancouver, B.C.	Ballast	.....
Santa Teresa	3	4	Amer..	Panama Mail S.S. Co.	New York, N.Y.	S. Francisco, Cal.	General	2,649
Alauau	4	4	Ger...	Hamburg-Amer. Line.	Hamburg, Ger.	Peru	Ballast	.....
President Polk	4	4	Amer..	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	3,368
Pan Norway [1] [2]	3	4	Nor...	Huasteca Pet. Co.	Amsterdam,Neth.	Talara, Peru	Ballast	.....
Nuevo Panama [2]	3	4	Pan...	Hans Elliot	Cristobal, C.Z.	B'ventura, Col.	General	40
Florence Luckenbach.	4	4	Amer..	Luckenbach Line	Houston, Texas.	Seattle, Wash.	General	4,609
Elmworth [2]	4	5	Brit...	Canadian Transp. Co.	Montreal,Canada	Vancouver, B.C.	General	4,910

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch [7] Submarine. [8] Transport. [11] Mine planter. [12] Cruiser. [13] Cargo ship. [14] Great Lakes Mercantile Line. [15] Cottonseed oil. [16] Steel, pipe, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Lapwing [10]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	...
Raleigh [12]	3	8	Amer.	U.S. Navy	Norfolk, Va.	San Diego, Cal.	Ballast	...
Andrea F. Luckenbach.	5	5	Amer.	Luckenbach Line	New York, N.Y.	Seattle, Wash.	Automobiles.	300
Massmar	5	5	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,753
Alaskan	5	5	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,432
No. 5325 [5]	...	...	Amer.	E. Janney	Cristobal, C.Z.	Balboa, C.Z.	Ballast	...
Rolling Stone [6]	5	6	Pan.	Robert Wilcox	Cristobal, C.Z.	Balboa, C.Z.	Ballast	...
Vinland [2]	6	6	Nor.	Scand. S. Pacific Line	Rotterdam, Neth.	Talara, Peru	Ballast	...
Ruahine	6	6	Brit.	N.Z. Shipping Co.	London, England	Pt. Chal'ers, N.Z.	General	3,610
Astoria [2]	6	6	Dan.	Orient S.S. Co.	Copenhagen, Den.	Vancouver, B.C.	Ballast	...
Rhexenor	6	6	Brit.	Alfred Holt & Co.	Boston, Mass.	Manila, P.I.	General	3,139
Hakonesan Maru [2]	6	7	Jap.	Mitsui Bussan Kaisha	New York, N.Y.	Yokohama, Japan	General	7,876
Osiris [2]	3	6	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	3,322
San Diego	6	7	Fr.	French Line	Havre, France	Vancouver, B.C.	General	3,658
American Star	6	7	Amer.	Union Sulphur Co.	Freeport, Texas.	Longview, Wash.	Sulphur	5,500
Delftdijk [2]	6	7	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Vancouver, B.C.	General	1,274
Raby Castle [2]	6	7	Brit.	Barber Line	New York, N.Y.	Shanghai, China	General	1,687
Harmattan	6	7	Brit.	National S.S. Co.	Norfolk, Va.	Vancouver, B.C.	Ballast	...
Georgian	6	7	Amer.	Williams S.S. Line	Albany, N.Y.	Seattle, Wash.	Coal, general	3,099
Moveria [2]	6	7	Brit.	Donaldson Line	Glasgow, Scot.	Vancouver, B.C.	General	500
Cardium [1] [2]	7	7	Brit.	Anglo-Saxon Pet. Co.	Curacao, D.W.I.	Kagoshima, Jap.	Kerosene oil.	11,634
Canadian Leader	7	8	Brit.	Can. Nat. Steamships	Montreal, Canada	Lyttleton, N.Z.	([15])	3,400
Robin Goodfellow	7	8	Amer.	Luckenbach-Gulf Co.	New Orleans, La.	Seattle, Wash.	General	4,085
Boussole	8	8	Fr.	Messageries Marit'es.	Marseilles, France	Noumea, N.Caled.	Gen., iron.	901
Cali	6	8	Ger.	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	350
Chattanooga City.	8	9	Amer.	Isthmian S.S. Lines	Baltimore, Md.	([14])	Steel, gen.	7,980
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	...
Mexican	8	9	Amer.	Amer. Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	2,195
Ramona [6]	7	10	Amer.	Mrs. Floy E. Rohl	New York, N.Y.	San Diego, Cal.	Ballast	...
Tsuyama Maru	9	9	Jap.	Nippon Yusen Kaisha	Paulsboro, N.J.	Kobe, Japan	([16])	7,413
Tacoma City	9	9	Brit.	Reardon Smith Line	Houston, Texas.	Shanghai, China.	General	6,699
Amerikaland [2]	9	10	Swed.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	...
Real [3]	8	...	Pan.	Hans Elliot	Cristobal, C.Z.	Balboa, C.Z.	Ballast	...
Sambu [3]	8	...	Pan.	Hans Elliot	Cristobal, C.Z.	Balboa, C.Z.	Ballast	...
Mary Ann [1] [3]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Gatun, C.Z.	Ballast	...
Rangitata [2]	10	10	Brit.	N. Z. Shipping Co.	London, Eng.	Auckland, N.Z.	General	2,819
Utacarbon [1]	9	10	Amer.	Union Oil Co.	Tiverton, R. I.	Pt. San Luis, Cal.	Ballast	...
Dorothy Luckenbach	10	10	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,260
Dorothy Cahill	10	10	Amer.	Arrow Line	Baltimore, Md.	S. Francisco, Cal.	General	2,199
Pacific President [2]	10	10	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B. C.	General	560
Sun [1] [2]	10	10	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	...
West Mahwah	10	11	Amer.	McCormick S.S. Co.	Buenos Aires, Arg.	Seattle, Wash.	Coffee, gen.	3,675
President Lincoln.	10	11	Amer.	Dollar Line	New York, N.Y.	Manila, P.I.	General	2,570
Virginia	11	11	Amer.	Panama-Pacific Line.	New York, N.Y.	S. Francisco, Cal.	General	2,393
Sutherland	10	11	Amer.	Nelson Line	Albany, N.Y.	Seattle, Wash.	General	4,324
Silveryew [2]	11	11	Brit.	Kerr S.S. Line	New York, N.Y.	Hongkong, China	General	990
Sanyo Maru [2]	11	11	Jap.	Osaka Shosen Kaisha	New York, N.Y.	Kobe, Japan	General	4,913
Nordbo [2]	11	11	Dan.	Anglo-Can. Ship. Co.	Copenhagen, Den.	Los Angeles, Cal.	Ballast	...
Wind Rush	11	11	Amer.	Shepard S.S. Co.	Boston, Mass.	Seattle, Wash.	General	5,816
Meton [1]	11	12	Amer.	Shell Pet. Co.	Perth A'boy, N.J.	Los Angeles, Cal.	Ballast	...
Clydebank [2]	11	11	Brit.	Boyd, Weir & Sewell	New Orleans, La.	Osaka, Japan	Cotton, gen.	4,590
Annie Johnson [2]	11	11	Swed.	Johnson Line	Goth'burg, Swed.	S. Francisco, Cal.	General	3,726
Vancouver	11	12	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	4,559
Herman Frasch	11	12	Amer.	Union Sulphur Co.	New Orleans, La.	Tacoma, Wash.	([17])	5,650
Tofuku Maru	12	12	Jap.	Kokusai Kisen Kaisha	Searsport, Maine.	Kobe, Japan	([18])	7,160
Taybank [2]	12	12	Brit.	Bank Line, Ltd.	Boston, Mass.	Shanghai, China.	General	2,200
Pennsylvanian	12	12	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,480
Salvador	5	12	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	868
Santa Isabel	12	12	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	293
Monte Dick [5]	...	...	Amer.	Fred Furst	Cristobal, C.Z.	Gatun, C.Z.	Ballast	...
Santa Lucia	12	13	Amer.	Panama Mail S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	Coffee, gen.	3,658
Stjerneborg [2]	12	13	Dan.	C. K. Hansen	Albany, N.Y.	Los Angeles, Cal.	Ballast	...
John Bakke [2]	13	13	Nor.	Knut Knutsen	Stavanger, Nor.	Seattle, Wash.	Ballast	...
Chickasaw City	13	13	Amer.	Isthmian S.S. Lines	New York, N.Y.	S. Francisco, Cal.	General	3,635
Nuevo Panama [2]	11	13	Pan.	Hans Elliot	Cristobal, C.Z.	B'ventura, Col.	General	150
City of Canberra	13	13	Brit.	Ellerman & Bucknall	New York, N.Y.	Freemantle, Aust.	General	3,061
Antofagasta	13	13	Chil.	([21])	Liverpool, Eng.	Valparaiso, Chile.	Ballast	...
C. O. Stillman [1] [2]	13	14	Brit.	International Pet. Co.	Halifax, N.S.	Talara, Peru	Ballast	...
Santa Maria [1]	13	14	Amer.	Union Oil Co.	Aruba, D.W.I.	Los Angeles, Cal.	Ballast	...
Gaelic Star	13	14	Brit.	Blue Star Line	Newcastle, Eng.	Seattle, Wash.	Ballast	...
Cape of Good Hope	13	14	Brit.	Chilean Nitrate Co.	Manchester, Eng.	Arica, Chile [19]	Ballast	...
Swan [11]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	([20])	...
S-14 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	...
Point Palmas	14	14	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	4,886

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [6] Yacht. [7] Submarine. [10] Mine sweeper. [12] Cruiser. [13] Crane. [14] Belawan Deli, Sumatra. [15] Paper, autos, general. [16] Cotton, phosphate rock, etc. [17] Sulphur and oyster shells. [18] Scrap steel, rails, cotton, tobacco. [19] For orders. [20] Towing submarine *S-14*. [21] Cia. Chileana de Na. Interoceania.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Manizales	5	14	Ger...	North German Lloyd.	Cristobal, C.Z...	Guayaquil,Ecuad	General	428
Archangelos	14	14	Greek.	Livanos Brothers	Port Royal, Jam.	Pto.Chic'ma,Peru	Ballast	.....
Canadian Victor	14	14	Brit...	Can. Nat. Steamships	Montreal,Canada	Brisbane, Aust...	General	2,782
Hindanger [2]	14	15	Nor...	Westfal, Larsen & Co.	Rotterdam,Neth.	Vancouver, B.C..	Psgrs. only	.....
Tekoa	14	15	Brit...	N. Z. Shipping Co...	Liverpool, Eng..	Nelson, N.Z.	General	7,450
Cheyenne [1] [2]	15	15	Brit...	Standard Oil Co.	Newcastle, Eng..	Los Angeles, Cal.	Ballast	.....
Ardenvohr [2]	15	..	Brit...	Australind S.S. Co...	Freeport, Tex...	Freem'ntle, Aust.	([15])	8,526
San Clemente	14	15	Amer..	Quaker Line	New York, N.Y.	Tacoma, Wash..	General	3,735
California Standard [1] [2]	15	15	Amer..	Standard Oil Co.	London, Eng...	S. Francisco, Cal.	Ballast	.....
Svenor [1] [2]	15	15	Nor...	Anglo-Saxon Pet. Co..	Curacao, D.W.I.	Kagoshima, Jap.	Kerosene	10,859
Lewis Luckenbach	15	15	Amer..	Luckenbach Line	Boston, Mass...	Los Angeles, Cal.	Ballast	.....
Soloy [2]	15	16	Nor...	Mitsubishi Shoji K...	Pt. Arthur, Tex..	Yokohama, Jap..	([16])	7,304

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Tatsuno Maru	15	16	Jap...	Nippon Yusen Kaisha	Iloilo, P.I.	New York, N.Y..	General	8,911
Barneveld	16	16	Neth..	Royal Neth. S.S. Co..	Talcahuano,Chile	Hamburg, Ger...	General	4,849
Franz Klasen [1] [2]	16	16	Danz..	Baltic-Amer. Pet. Co.	Talara, Peru	Rotterdam, Neth.	([18])	16,535
San Gil	16	16	Pan...	United Fruit Co.	Pto.Arm'les,R.P.	Boston, Mass.	Bananas	1,133
King City	16	16	Brit...	Reardon Smith Line..	Dairen, China...	Cobh, Ireland [17]	Soy beans	8,250
Betterton [2]	16	17	Amer..	Union Oil Co.	Los Angeles, Cal.	New York, N.Y..	Gasoline	9,285
Hannibal [14]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Philadelphia, Pa.	.....	.....
No. 223 [13]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Philadelphia, Pa.	.....	.....
No. 353 [13]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Philadelphia, Pa.	.....	.....
Cable Enterprise	16	18	Brit...	Western Teleg'ph Co.	Callao, Peru	Cienfuegos Cuba.	Ballast	.....
Portland [2]	17	17	Ger...	Hamburg-Amer. Line.	Vancouver, B.C..	Hamburg, Ger...	General	7,117
Tulsagas [1]	16	17	Amer..	Associated Oil Co.	S. Francisco, Cal.	New York, N.Y.	([19])	9,616
Arizonan	16	17	Amer..	Williams Line	Seattle, Wash...	Boston, Mass.	Lumber	7,750
San Simeon	16	17	Amer..	Quaker Line	Portland, Oreg...	Philadelphia, Pa.	Lumber, gen.	8,044
Antiope	17	17	Brit...	Andrew Weir & Co...	Port Alberni,B.C.	Hull, England...	([20])	7,800
Benreoch	17	17	Brit...	Anglo-Can. Ship. Co..	N. West'er, B.C..	Middlesboro,Eng.	General	8,731
Canadian Cruiser	17	18	Brit...	Can. Nat. Steamships	Brisbane, Aust...	Montreal,Canada	General	4,395
Svealand [2]	17	17	Swed..	Ore S.S. Corp.	Cruz Gr'de, Chile	Sparrows Pt.,Md.	Iron ore	21,652
Sveajarl [2]	17	18	Swed..	Knutsen Line	Valparaiso, Chile.	Goth'burg, Swed.	General	7,447
Ontariolite [1] [2]	17	18	Brit...	Imperial Oil Co.	Talara, Peru	Montreal,Canada	Crude oil	11,848
Golden Hind	17	18	Amer..	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass...	General	4,513
Santa Lucia	17	18	Amer..	Grace Line	Seattle, Wash...	Philadelphia, Pa.	General	3,506
Sacramento	17	18	Amer..	Chas. Nelson S.S. Co.	Seattle, Wash...	New York, N.Y.	Lum'er, pulp	6,366
Katrina Luckenbach.	17	18	Amer..	Luckenbach-Gulf Co.	Portland, Oreg...	Mobile, Ala.	General	7,000
Real [3]	18	19	Pan ..	Hans Elliot	Darien, R.P.	Cristobal, C.Z...	Bananas	32
Sambu [3]	18	19	Pan...	Hans Elliot	Darien, R.P.	Cristobal, C.Z...	Bananas	10
Porta	17	18	Ger...	North German Lloyd.	Valparaiso, Chile.	Bremen, Ger...	Nitrate, gen.	5,518
Brimanger [2]	17	18	Nor...	Interocean S.S. Corp.	Vancouver, B.C..	Rotterdam, Neth.	General	6,854
Dalfonn [1] [2]	18	18	Nor...	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	L'ds End, Eng. [17]	([21])	11,884
Pomona	17	18	Amer..	Pomona S.S. Co.	Seattle, Wash...	Newark, N.J.	Lumber	9,500
Missourian [2]	18	19	Amer..	Amer.-Hawaiian Line.	Portland, Oreg..	Boston, Mass.	Lumber, gen.	8,692
Santa Maria [2]	19	19	Amer..	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	4,083
Marian Otis Chandler.	17	19	Amer..	Shephard S.S. Co.	Warrington, Oreg	New York, N.Y.	Lumber, gen.	8,021
Sun [1] [2]	19	20	Amer..	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	([22])	13,684
Frieda	19	20	Amer..	Union Sulphur Co.	Everett, Wash...	Providence, R.I..	Lumber	4,443
Lewis Luckenbach	20	20	Amer..	Luckenbach Line	Seattle, Wash...	Boston, Mass.	Lumber, gen.	10,135
Canadian Farmer.	20	21	Brit...	([23])	Vancouver, B.C..	Toronto, Canada	Lumber, gen.	3,040
Nuevo Panama [2]	21	22	Pan...	Hans Elliot	B'ventura, Col...	Cristobal, C.Z...	Coffee	210
Lobos [2]	21	21	Brit...	Pacific Steam Nav.Co.	Talcahuano,Chile	Hull, England...	General	6,723
Zenon	21	22	Fr...	French Line	Coronel, Chile...	Havre, France...	General	6,995
West Cape	21	21	Amer..	McCormick S.S. Co..	P. Gamble,Wash.	Albany, N.Y.	Gen.,lumber.	7,585
Moldanger [2]	19	21	Nor...	Interocean Line	Vancouver, B.C..	Rotterdam, Neth.	General	8,500
Fairfield City	21	21	Amer..	Isthmian S.S. Lines...	Hilo, T.H.	Baltimore, Md...	([24])	8,154
Utacarbon [1]	21	22	Amer..	Union Oil Co.	Los Angeles, Cal.	Tiverton, R.I.	Gasoline	10,428
Acajutla	21	..	Brit...	Pacific Steam Nav.Co.	Champ'ico,Guat.	Cristobal, C.Z.	Coffee, gen..	291
Feltre [2]	22	23	Ital...	Nav. Lib. Triestina..	Vancouver, B.C..	Trieste, Italy.	Lumber, gen.	8,439
Cerigo	22	24	Ger...	Hamburg-Amer. Line.	Guayaquil,Ecuad	Cristobal, C.Z.	Coffee, gen..	933
President Lincoln.	23	23	Amer..	Dollar Line	S. Francisco, Cal.	New York, N.Y.	General	4,191
Oregon [2]	22	23	Fr...	French Line	Vancouver, B.C..	Le Havre, France	General	9,308
San Benito	23	23	Pan...	United Fruit Co.	Pto. Arm'les,R.P.	Boston, Mass.	Bananas	1,150
Kansan	23	23	Amer..	Amer.-Hawaiian Line.	Portland, Oreg..	Boston, Mass.	General	5,366
Innaren [2]	23	23	Swed..	Transatlantic S.S. Co.	Nauru Is., S. Pac.	Kotka, Finland..	Phosphate	5,500
C. O. Stillman [1] [2]	23	24	Brit...	International Pet. Co.	Talara, Peru	Halifax, N.S.	Crude oil	21,877
Willpolo	23	23	Amer..	Amer.-Hawaiian Line.	Seattle, Wash...	New York, N.Y..	Lumber, gen.	6,690
Amerikaland [2]	23	24	Swed..	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md..	Iron ore	21,650
Laurits Swenson [2]	23	25	Nor...	Fred Olsen & Co.	Vancouver, B.C..	Oslo, Norway.	General	7,006

[1] Tanker. [2] Motor ship. [3] Motor schooner. [13] Sub. chaser. [14] Survey ship. [15] Asphalt, lubricating oil, and sulphur. [16] Scrap iron, scrap steel. [17] For orders. [18] Gasoline, gas oil. [19] Gasoline, lubricating oil. [20] Grain, lumber. [21] Benzine and C. H. gasoline. [22] Gas, petroleum spirits. [23] Great Lakes Intercoastal Line. [24] Sugar, pineapples.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
J. L. Luckenbach.	24	24	Amer..	Luckenbach Line.....	Seattle, Wash....	Boston, Mass....	Lumber, gen.	8,125
Orville Harden [1] [2]	24	24	Danz..	W. Tankschiff Rhed'i.	Talara, Peru....	Hamburg, Ger...	([14])	16,284
Virginia.....	24	25	Amer..	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General.....	7,458
Neches [2].....	23	...	Amer..	U.S. Navy.....	San Diego, Calif.	Cristobal, C.Z...	Gasoline....	418
Edwin Christenson.	24	25	Amer..	Sudden & Christenson	Seattle, Wash...	Baltimore, Md...	Lumber, gen.	6,984
Tai Shan [2].....	24	26	Pan...	Barber Line.....	Hongkong, China	New York, N.Y.	General.....	6,523
Real [3].....	25	26	Pan...	Hans Elliot.....	Darien, R.P.....	Cristobal, C.Z...	Bananas....	29
Spreewald [2].....	25	25	Ger...	Hamburg-Amer. Line.	Valparaiso, Chile	Hamburg, Ger...	General.....	8,132
Soyo Maru [2].....	25	25	Jap...	Kawasaki K. Kaisha.	Shanghai, China.	Philadelphia, Pa.	General.....	1,779
Pacific Enterprise [2]	25	25	Brit...	Furness, Withy & Co.	Vancouver, B.C..	Glasgow, Scot...	General.....	8,450
Sambu [3].....	25	26	Pan...	Hans Elliot.....	Darien, R.P.....	Cristobal, C.Z...	Bananas....	11
Point Caleta.....	25	26	Amer..	Gulf-Pacific Line.....	Portland, Oreg...	Tampa, Fla.....	Lumber, gen.	6,498
J. H. Senior [1] [2]..	26	26	Danz..	Agwi Pet. Corp.....	Talara, Peru....	Fawley, England.	Crude oil...	16,362
Bradglen.....	26	26	Brit...	Reardon Smith Line..	Victoria, B.C....	Cardiff, Wales...	General.....	7,820
Oregonian.....	27	27	Amer..	Amer.-Hawaiian Line.	Seattle, Wash...	Boston, Mass....	Lumber, gen.	6,672
Invercorrie [1].....	27	27	Venez.	Standard Ship. Co...	B'ventura, Col...	Aruba, D.W.I...	Ballast.....	.....
Nicolas Bravo [1] [2].	9	27	Mex...	Mexican Government.	Manzanillo, Mex.	Bluefields, Nic...	.....	.....
Nuevo Panama [2]..	27	29	Pan...	Hans Elliot.....	B'ventura, Col...	Cristobal, C.Z...	Coffee.....	208
Santa Cecilia.....	27	28	Amer..	Grace Line.....	S. Francisco, Cal.	New York, N.Y.	Coffee, gen..	2,100
S-11 [7].....	5	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
S-13 [7].....	5	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
S-16 [7].....	5	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
Yorkmar.....	28	28	Amer..	Calmar S.S. Corp....	Seattle, Wash....	Philadelphia, Pa.	Lumber.....	7,147
Manizales.....	28	30	Ger...	Grace Line.....	Guayaquil,Ecuad	Cristobal, C.Z...	General.....	1,029
Charles H. Cramp	28	28	Amer..	Argonaut S.S. Co....	Seattle, Wash...	New York, N.Y.	General.....	6,772
S-15 [7].....	5	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
S-17 [7].....	5	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
Retriever [5].....	5	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
San Felipe.....	29	29	Amer..	Quaker Line.....	Portland, Oreg...	Philadelphia, Pa.	Lumber, gen.	8,397
Rotorua.....	29	30	Brit...	N.Z. Shipping Co....	Auckland, N.Z...	London, Eng....	C. S., gen...	5,014
Geddington Court	29	29	Brit...	United Brit. S.S. Co..	Vancouver, B.C..	Hull, England...	Lum'er,grain	9,330
F. J. Luckenbach.	29	29	Amer..	Luckenbach Line.....	Seattle, Wash...	Boston, Mass....	Lumber, gen.	6,606
Kwanto Maru [2]..	29	31	Jap...	Osaka Shosen Kaisha.	Manila, P.I.....	New York, N.Y.	Silk, general.	3,908
Durazzo.....	30	1	Ger...	Hamburg-Amer. Line.	Guayaquil,Ecuad	Cristobal, C.Z...	General.....	1,202
San Bruno.....	30	30	Pan...	United Fruit Co.....	Pto. Arm'les,R.P.	Boston, Mass...	Bananas....	850
Los Angeles [2].....	30	31	Ger...	Hamburg-Amer. Line.	Vancouver, B.C..	Hamburg, Ger...	General.....	7,104
Nevadan.....	30	30	Amer..	Amer.-Hawaiian Line.	Portland, Oreg..	Boston, Mass....	General.....	6,034
Baldur.....	30	30	Ger...	Chilean Nitrate Co...	Iquique, Chile...	Azores [13].....	Nitrate.....	9,760
Swan No. 34 [4]...	22	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
Santa Rita [2].....	30	30	Amer..	Grace Line.....	Valparaiso, Chile.	New York, N.Y.	General.....	3,359
J.A.Mowinckel [1] [2]	30	31	Danz..	W. Tankschiff Rhed'i.	Talara, Peru....	Valloe, Norway..	Crude oil....	16,035
Santa Paula.....	31	1	Amer..	Grace Line.....	Seattle, Wash....	New York, N.Y.	General.....	3,116
Point Lobos.....	31	1	Amer..	Gulf-Pacific Line.....	Vancouver, B.C..	Lake Charles,La.	General.....	2,740
Mathew Luckenbach.	31	1	Amer..	Luckenbach Gulf Co.	Portland, Oreg...	Mobile, Ala.....	General.....	5,523
Real [2].....	1	2	Pan...	Hans Elliot.....	Darien, R.P.....	Cristobal, C.Z...	Bananas....	38
Sambu [5].....	1	2	Pan...	Hans Elliot.....	Darien, R.P.....	Cristobal, C.Z...	Bananas....	13
Anna Maersk [2]...	1	1	Dan...	Isbrandtsen Moller...	Cebu, P.I.....	New York, N.Y.	General.....	6,482
Dilworth [1].....	1	1	Amer..	Shell Pet. Prod. Corp.	Los Angeles, Cal.	Baltimore, Md...	Naphtha....	9,213
Hilda [2] [6].....	1	3	Amer..	Caddo Co.....	Los Angeles, Cal.	New York, N.Y..	Ballast.....	.....
Santa Barbara [2]...	2	2	Amer..	Grace Line.....	SanAntonio,Chile	New York, N.Y.	General.....	3,527
Chester Sun [1] [2]..	2	2	Amer..	Sun Oil Co.....	Los Angeles, Cal.	Chester, Pa.....	Gasoline....	13,281
Walter A. Luckenbach.	2	3	Amer..	Luckenbach Line....	Seattle, Wash...	Boston, Mass....	Lumber, gen.	6,221
Nuevo Panama [2]..	2	4	Pan...	Hans Elliot.....	B'ventura, Col...	Cristobal, C.Z...	Coffee.....	213
Oakworth [2].....	3	3	Brit...	Canadian Transp. Co.	Vancouver, B.C.	Montreal,Canada	([15])	6,000
Drechtdijk [2].....	3	3	Neth..	N. Pac. Coast Line...	Victoria, B.C....	Rotterdam, Neth.	General.....	7,770
Chilore.....	3	3	Amer..	Ore S.S. Corp.....	Cruz Gr'de, Chile	Baltimore, Md...	Iron ore.....	21,652
Steel Age.....	3	3	Amer..	Isthmian S.S. Lines..	Seattle, Wash....	Baltimore, Md...	Lumber, ore.	6,983
William A. McKenney.	3	3	Amer..	McCormick S.S. Co..	Tacoma, Wash...	New York, N.Y.	Lumber, gen.	8,800
Columbian.....	3	3	Amer..	Amer.-Hawaiian Line.	Seattle, Wash....	Boston, Mass....	Lumber, gen.	6,200
General W. M. Graham. [11]	...	...	Amer..	U.S. Army.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
S-12 [7].....	...	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
Mallard [4].....	...	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
San Pedro.....	3	4	Amer..	States S.S. Co.....	Portland, Oreg...	New York, N.Y.	Lumber, gen.	7,330
Calgarolite [1] [2]...	4	4	Brit...	Imperial Oil Co.....	Talara, Peru....	Montreal,Canada	Crude oil...	16,500
Hagan [1].....	4	4	Amer..	Shell Oil Co.....	Los Angeles, Cal.	Wilmington, N.C.	Naphtha....	8,088
Aden Maru.....	4	4	Jap...	Kokusai Kisen Kaisha	Manila, P.I.....	New Orleans, La.	Sugar.....	7,500
Diamond Cement.	4	5	Amer..	Charles Nelson Co...	Pt. Angeles,Wash	Boston, Mass....	Lumber, gen.	4,017
Reina del Pacifico [2]	5	5	Brit...	Pacific Steam Nav.Co.	Talcahuano,Chile	Liverpool, Eng..	General.....	5,698
Rimac.....	4	5	Peru..	Peruvian Government	Callao, Peru....	European port...	Ballast.....	.....
Manizales.....	30	...	Ger...	North German Lloyd.	Balboa, C.Z.....	Cristobal, C.Z...	Ballast.....	.....
Salvador.....	5	...	Brit...	Pacific Steam Nav.Co.	Champ'ico,Guat.	Cristobal, C.Z...	General.....	354
Almelo.....	5	5	Neth..	Royal Neth. S.S. Co.	Pisco, Peru.....	Amsterdam,Neth.	General.....	5,675
Buenos Aires.....	5	5	Swed..	Johnson Line.....	Vancouver, B.C..	Stockholm,Swed.	General.....	5,966

[1] Tanker. [2] Motor ship. [3] Motor schooner. [4] Tug. [5] Launch. [6] Yacht. [7] Submarine.
[11] Mine planter. [12] Cruiser. [13] For orders. [14] Gas oil, naphtha. [15] Lumber, whiskey, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
President Taft	6	7	Amer.	Dollar Line	Manila, P.I.	New York, N.Y.	General	4,938
Santa Maria [2]	5	7	Amer.	Union Oil Co.	S. Francisco, Cal.	Cristobal, C.Z.	([15])	10,627
Charles Christenson.	5	6	Amer.	Sudden & Christenson	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,586
Peter Kerr	5	6	Amer.	Quaker Line	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	8,700
Papoose [1]	5	6	Amer.	Petroleum Nav. Co.	Vancouver, B.C.	Houston, Texas.	Ballast	.....
Cali	6	8	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	956
San Gil	6	6	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Boston, Mass.	Bananas	390
Berganger [2]	6	6	Nor.	Interocean Line	Vancouver, B.C.	Rotterdam, Neth.	General	7,130
Kentuckian	6	6	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	5,747
Odin	6	7	Ger.	Anglo-Chilean Nit.Co.	Tocopilla, Chile.	Azores [13]	Nitrates	8,502
Northern Sun [1] [2]	6	7	Amer.	Sun Oil Co.	Los Angeles, Cal.	Perth A'boy, N.J.	Gasoline	13,500
Laguna [2]	7	7	Brit.	Pacific Steam Nav.Co.	Talcahuano, Chile	Liverpoool, Eng.	General	7,114
Steel Worker	7	7	Amer.	Isthmian S.S. Lines.	Honolulu, T.H.	Baltimore, Md.	([16])	3,119
Reginolite [1] [2]	7	8	Brit.	Imperial Oil Co.	Talara, Peru	Montreal, Canada	Crude oil	11,600
Pennsylvania	7	8	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	7,418
Sunoil [1] [2]	7	8	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,581
Julia Luckenbach.	8	8	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,415
Real [2]	8	9	Pan.	Hans Elliot	Darien, R.P.	Cristobal, C.Z.	Bananas	33
Sambu [5]	8	9	Pan.	Hans Elliot	Darien, R.P.	Cristobal, C.Z.	Bananas	13
Point Chico	8	8	Amer.	Swayne & Hoyt	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	5,013
Salawati [2]	8	8	Neth.	Pac.-Java-Bengal Line	Portland, Oreg.	Calcutta, India.	General	3,664
San Julian	8	8	Amer.	Quaker Line	Longview, Wash.	Philadelphia, Pa.	Lumber	10,747
Pacific Pioneer [2]	8	8	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Glasgow, Scot.	General	8,452
India [2]	8	8	Dan.	East Asiatic Co.	Vancouver, B.C.	Copenhagen, Den.	General	10,560
Rolling Stone [2] [6]	6	6	Pan.	Robert Wilcox	Balboa, C.Z.	Cristobal, C.Z.	Ballast	.....
Steelore	9	9	Amer.	Bethlehem Steel Co.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,652
Plow City	8	9	Amer.	Continental Grain Co.	Portland, Oreg.	Hampton Rds [13]	Wheat	4,380
Eastern Sun [1] [2]	8	9	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,318
Leikanger	8	9	Nor.	Westfal, Larsen & Co.	Pt. Alberni, B.C.	London, Eng.	Lumber	5,583
Canadian Conqueror.	9	10	Brit.	Can. Nat. Steamships.	Brisbane, Aust.	Montreal, Canada	General	2,210
K.R. Kingsbury [1]	9	9	Amer.	Shell Oil Co.	S. Francisco, Cal.	Fall River, Mass.	Naphtha	9,216
Sage Brush	9	9	Amer.	Shepard S.S. Co.	Seattle, Wash.	Boston, Mass.	General	7,920
Odenwald	9	10	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile	Hamburg, Ger.	([17])	7,722
Willboro	9	9	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Newburg, N.Y.	Lumber, gen.	9,359
Patrick Henry	9	9	Amer.	Lykes Bros.-Ripley	Cebu, P.I.	New Orleans, La.	([18])	8,907
Buffalo Bridge	9	10	Amer.	Continental Grain Co.	Portland, Oreg.	Galveston, Texas	Wheat	4,465
Modavia [2]	9	10	Brit.	Donaldson Bros.	Vancouver, B.C.	Glasgow, Scot.	Fruit, gen.	5,495
Canadian Challenger.	9	...	Brit.	Can. Nat. Steamships	Brisbane, Aust.	Montreal, Canada	General	3,630
Row boat	6	...	Amer.	M. C. Brasfield	LasCascadas, C.Z.	Balboa, C.Z.	Ballast	.....
Tacoma	9	11	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg. Ger.	General	6,536
Sollund	7-25	...	Nor.	Grace Line	Balboa, C.Z.	Cristobal, C.Z.	Ballast	.....
Iowan	8-10	10	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,980
Cathwood [2]	10	10	Amer.	Union Oil Co.	Los Angeles, Cal.	Tiverton, R.I.	Gasoline	8,600
Santa Ana	10	11	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	Coffee, gen.	3,236
Lapwing [5]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Cape Horn [2]	10	10	Brit.	([14])	Vancouver, B.C.	Manchester, Eng.	Lumber, gen.	9,436
Sir Karl Knudsen. [1] [2]	10	11	Nor.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	LandsEnd, Eng. [13]	Gasoline	9,988
Axel Johnson [2]	11	11	Swed.	Johnson Line	Vancouver, B.C.	Goth'burg, Swed.	Grain, fruit.	5,550
Nuevo Panama [2]	11	13	Pan.	Hans Elliot	B'ventura, Col.	Cristobal, C.Z.	Coffee, gen.	216
Charles Nelson	10	11	Amer.	Nelson Line	Seattle, Wash.	Albany, N.Y.	Lumber, gen	6,555
El Aleto [1] [2]	11	11	Brit.	Anglo-Ecuad. Oil Co.	La Libertad, Ecu.	Philadelphia, Pa.	Crude oil	10,210
Standard Arrow [1]	11	11	Amer.	Standard Oil Co.	Los Angeles, Cal.	New York, N.Y.	Gasoline	11,228
Taranger [2]	11	11	Nor.	Interocean S.S. Corp.	Vancouver, B.C.	Rotterdam, Neth.	([19])	5,500
Anniston City	11	11	Amer.	Isthmian S.S. Lines.	Seattle, Wash.	Chester, Pa.	General	7,494
Fernbank [2]	12	12	Nor.	Fern Line	Iloilo, P.I.	East coast, U.S.A	Sugar	7,025
Santa Olivia	12	13	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	3,600
Cerigo	12	...	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C.Z.	General	849
San Antonio	12	13	Fr.	French Line	Vancouver, B.C.	Havre, France.	General	6,407
West Ira	12	12	Amer.	McCormick S.S. Co.	Vancouver, B.C.	BuenosAires, Arg.	Lumber, gen.	7,588
Forresbank [2]	12	13	Brit.	ColonialSugarRef.Co	Suva, Fiji Is.	Lands End, Eng. [13]	Sugar	8,333
Paul Luckenbach	12	13	Amer.	Luckenbach Line	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	8,283
Californian [2]	12	13	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	8,664
Marsodak	13	13	Amer.	Continental Grain Co.	Portland, Oreg.	New Orleans, La.	Wheat	5,184
Republic [8]	12	14	Amer.	U.S. Army	Honolulu, T.H.	Brooklyn, N.Y.	Supplies	872
Europa [2]	13	13	Dan.	East Asiatic Co.	Vancouver, B.C.	Copenhagen, Den.	General	6,917
Pan Norway [1] [2]	13	13	Nor.	Huasteca Pet. Oil Co.	Talara, Peru	Rotterdam, Neth.	Naphtha	12,898
Samuel Bakke [2]	13	14	Nor.	Scand. S. Pacific Line.	Valparaiso, Chile.	Oslo, Norway	General	7,118
Sturtevant No. 240. [9]	...	14	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Turakina	14	14	Brit.	N.Z. Shipping Co.	Lyttleton, N.Z.	Glasgow, Scot.	Frozen, gen.	6,614
Kurama Maru [2]	14	14	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	Boston, Mass.	General	3,150
Fernmoor	14	14	Brit.	Moor Line	Vancouver, B.C.	Avonmouth, Eng.	Grain	8,375
Fernmoor [2]	13	14	Nor.	Fearnley & Eger	Vancouver, B.C.	Newark, N.J.	Lumber	6,000

[1] Tanker. [2] Motor ship. [5] Launch. [6] Yacht. [8] Transport. [9] Destroyer. [13] For orders.
[14] Cape York Motorship Co. [15] Fuel and Diesel oil. [16] Pineapples, cane. [17] Sugar, cotton, ore.
[18] Copra, hemp, sugar. [19] Lumber, wheat, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Richmond [12]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	...	...
Overton No. 239 [9]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	...	...
Harlesden	14	15	Brit...	James C. Harrison	N. West'er, B. C.	London, Eng.	Lumber, gen.	8,063
Santa Rosa	14	15	Amer..	Grace Line	Seattle, Wash.	New York, N.Y.	General	4,873
Virgilio [2]	14	15	Ital...	Italian Line	Valparaiso, Chile.	Genoa, Italy	General	3,073
Edgar F. Luckenbach	14	15	Amer..	Luckenbach Line	Portland, Oreg.	Mobile, Ala.	General	7,029
Lebore	15	15	Amer..	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,500
Boskoop	15	15	Neth..	Royal Neth. S.S. Co.	Talcahuano, Chile	Hamburg, Ger.	General	8,553
Real [2]	15	...	Pan...	Hans Elliot	Darien, R.P.	Cristobal, C.Z.	Bananas	40
Dos Hermanos [2] [5]	15	16	Pan...	A. Valdez	Bayano Riv. R.P	Cristobal, C.Z.	Bananas	16
Akaroa	15	16	Brit...	Shaw, Savill & Albion.	Auckland, N.Z.	London, Eng.	Frozen, gen.	5,950
Nordfarer [2]	15	15	Dan...	Anglo-Can. Ship. Co.	Grays Har., Wash.	Sharpness, Eng.	([13])	7,640
Steel Trader	15	16	Amer..	Isthmian S.S. Lines	Vancouver, B.C.	Avonmouth, Eng.	General	7,385

[2] Motor ship. [5] Launch. [9] Destroyer. [12] Cruiser. [13] Lumber, wheat.

Canal Traffic for First Fifteen Days of August

During the first 15 days of August 1933, 212 commercial vessels and 8 small non-seagoing launches under 20 tons measurement transited the Canal. Tolls on the commercial vessels aggregated $915,713.36, and on the launches, $64.75, or a total tolls collection of $915,778.11.

The daily average of commercial vessels was 14.13, and the daily average tolls collection was $61,047.56, as compared with an average of 14.53 transits and $62,909.84 in tolls for the first 15 days of the previous month, and an average of 9.67 transits and $45,522.74 in tolls for the first 15 days of August 1932. Commercial traffic showed a decrease of 6 transits and $27,934.20 in tolls (2.8 percent and 3.0 percent, respectively) in comparison with the first 15 days of the previous month, while in comparison with the first 15 days of August 1932, it registered a gain of 67 transits and $232,872.22 in tolls (46.2 percent and 34.1 percent, respectively).

New Drydock at Cristobal

Work on the reconstruction of the drydock at Cristobal Shops, at the Atlantic terminus of the Canal, which was begun in December of last year, has advanced satisfactorily and it is expected that the drydock may be reopened in its enlarged and improved state within approximately six weeks from the present.

The first drydock at Cristobal was built in 1886 by the first French company engaged in the construction of the Panama Canal, and had usable length of 190 feet and width of 32 feet. The Isthmian Canal Commission enlarged this dock in 1907 and 1908 to a usable length of 300 feet, with width of 50 feet, the depth remaining the same. The depth over sill and keel blocks was 13½ feet at mean tide. The drydock as so enlarged was used until the end of last year for the docking of dredging equipment, towboats, submarines, etc., in the Government service and for commercial vessels which might be accommodated in it. After the opening of the Canal larger vessels were taken through the Canal to the 1,000-foot drydock at Balboa Shops, and under an Executive Order dated November 17, 1921, it was provided that vessels transiting the Canal from Cristobal to Balboa and return, for the sole purpose of having repairs made at the Balboa drydock and shops would be exempt from the payment of tolls.

The new enlargement increases the usable length by 81 feet and the depth by 7½ feet and the width at top is increased by 30 feet. Concisely, the new drydock is to have length of 381 feet from the head to the inside of sill along the centerline; width of entrance at top, 66 feet; width of dock at top, 80 feet, and at bottom, 65 feet, with 3 altars on each side, each 2 feet 6 inches wide; elevation at top of dock, 7 feet above sea level; elevation of bottom of dock, 25 feet below sea level, of sill 22 feet and of keel blocks 21 feet below mean sea level. Allowing 15 feet off the dock length for working around a ship and 2 feet off the entrance width, the new dock will take vessels 366 feet long or more, up to 64 feet beam and drawing nearly 21 feet of water. The head of the dock is a circular segment having a radius of 40 feet.

The work of reconstruction and enlargement began on December 13, 1932, with the beginning of a cofferdam across the entrance slip, at a distance of about 280 feet from

the gates of the old drydock. Sheet steel piling was driven by a crane barge using a steel pile hammer. Earth fill was placed by using 4-cubic yard dump trucks, dumping from either side of the entrance slip and advancing toward the center as filling advanced. A gasoline-driven shovel of ¾-cubic yard dipper was installed in a borrow pit about a mile from the dock site and 32,200 cubic yards of earth were placed in the dam between December 15, 1932, and February 23, 1933, using on an average of 8 trucks on two shifts of 8 hours each.

Pending completion of the cofferdam, excavation was carried on behind the old miter gates. A shaft was sunk directly behind the gates and tunnel excavation was started for the suction culvert. Neat excavation was 10 feet by 7 feet 2 inches.

Excavation in the suction tunnel was completed in February. To facilitate the placing of concrete, 8-inch cased holes were drilled from the ground surface along the centerline, on 10-foot centers, and all concrete for the culvert was poured through these holes. Concreting of this culvert was completed in April, a total of 330 cubic yards having been placed.

The natural rock surface along the north wall was such that by making a slight additional excavation, a ramp on about a 4 percent grade was secured leading from the head of the dock to the floor of the old dock just behind the gates. The spoil was hauled out in dump trucks of 4 cubic yards capacity and dumped in needed fills around buildings of the Mechanical Division and the Supply Department in the vicinity. Excavation for the dock floor, dock walls, north retaining wall and track supports on the north side totaled 38,600 cubic yards of earth and rock.

For the concrete mixing a weighing batcher, purchased originally for use on the Madden Road, was set up at the stock pile, and dry batches were hauled in 1½-ton trucks to a 21-cubic foot paving mixer set up at the dock. The placing of concrete began February 16, and the main walls, sill, floor, retaining walls and track supports are now about 95 percent completed.

The gate for the drydock is to be of the floating caisson type, bearing against a granite block sill. Placing of the granite blocks is now under way.

A retaining wall 89 feet 6 inches long on the north side at right angles to the centerline and one 82 feet long on the south side, making an angle of 9°43′39″ with the centerline, are provided against which the caisson may be moored when not in use.

A flooding culvert 8 feet by 4 feet 6 inches in the south wall divides into two openings, each 4 feet by 4 feet 6 inches, at the face of the dock. A suction culvert 8 feet by 4 feet 6 inches leads from the south side of the dock approximately 161 feet to the pump house. The suction and flooding culverts join at a point 55 feet from the inside of the sill and open into two sumps in the floor, one on each side of the dock. A discharge culvert 6 feet square leads from the pump house through the end of the south retaining wall. Keel blocks on 4-foot centers and sliding bilge blocks on 12-foot centers which may be hauled back to the wall by chain from the coping above are provided. A 5-foot gauge track for a locomotive crane on the north side and a 5-foot and 16-foot gauge track for a heavy crane on the south side were provided. Upon the completion of the drydock construction and installation of pumps the cofferdam across the entrance slip will be removed and the approach cleared by the Dredging Division.

Supplement to Tariff No. 11—Lighter No. 87—Diesel Oil

The Panama Canal issued on July 31, 1933, supplement No. 3 to Tariff No. 11. This supplement adds lighter *No. 87* to the Class "C" lighters, listed under Item 6, paragraph 3.

The supplement also establishes the price of Diesel oil from the Canal stock, at Balboa only, at $1.60 per barrel of 42 gallons, delivered to vessels. (Item 23, paragraph 2.)

Notice to Mariners—Pinnacle Rock Reported in Gulf of Venezuela

Notice to Mariners No. 141, issued by The Panama Canal under date of August 14, 1933, states that Capt. John Dow of the sailing vessel *Chance* reported that on May 30, 1933, he passed a rock projecting about 1 foot above water and about 6 feet across and rounded on top. Position was given as: East Monks Island bearing north 3 degrees west, Pan de Azucar bearing true west.

The notice adds that Captain Dow, who was alone in his craft, which is 22 feet long by 6 feet 4 inches beam and draws 3 feet, circled the rock and struck it with an oar, and took a sounding close alongside to the southward which showed a depth of 30 fathoms. The weather was clear and the sea smooth at the time. Captain Dow reported that with the usual swell experienced in those waters the rock would be very difficult to locate.

Record for Quick Discharge of Venezuelan Oil

The tank ship *Santa Maria*, owned and operated by the Union Oil Company, arrived at Cristobal on August 13, 1933, from Aruba, D.W.I., laden with 77,880 barrels of fuel oil for the company's tanks at Mt. Hope. The vessel passed the breakwaters at 11:20 a.m.; docked at 12.20 p. m. and commenced discharging her cargo at 1:05 p.m. At. 3:30 a.m. the following day the entire cargo had been discharged. A total of 14 hours and 25 minutes elapsed from the time the oil began to flow into the shore tanks until completion of discharge. The cargo was discharged at the rate of 5,402.07 barrels per hour, which is a new high record for a quick discharge of Venezuelan oil.

At 6:05 a.m., August 14, the *Santa Maria* began transit through the Canal in ballast, on the way to Los Angeles. She had sailed from Los Angeles the latter part of July and transited the Canal on August 6, delivering a cargo of Diesel oil at Cristobal and clearing for Aruba on August 7.

Police Canvass of Civil Population of Canal Zone

The annual house-to-house canvass of the civil population of the Canal Zone taken by the Police and Fire Division during the month of June 1933, resulted in a count of 31,839 as the total number of civilian inhabitants. This was an increase of 859 over the last previous canvass, taken in June 1932.

The Balboa district showed an increase of 816. The largest shifts in population were in Corozal, La Boca, Red Tank, Paraiso, and Madden Dam area, which all made increases, and Balboa and Ancon, which combined made a decrease of 431.

The Cristobal district showed an increase of 33 over the previous canvass. The largest changes occurred in the rural areas, Silvertown and Fort Davis.

There was an increase of 419 employees of The Panama Canal and Panama Railroad residing in the Canal Zone compared with the previous canvass.

The population as of June 1933 was distributed as follows:

	AMERICANS					ALL OTHERS					
	Men		Women		Total children	Men		Women		Total children	Total
	Total men	Employees	Total women	Employees		Total men	Employees	Total women	Employees		
Balboa District	2,298	1,764	2,312	334	2,072	4,568	2,534	2,713	168	5,566	[1] 19,529
Cristobal District	472	391	682	31	807	3,458	2,308	2,090	61	4,694	[2] 12,203
Prisoners	11	.....	.....	.....	.....	94	.....	2	.....	.....	[3] 107
Total employees	.....	2,155	.....	365	.....	.....	4,842	.....	229	.....	[4] 7,591
Total inhabitants	2,781	.....	2,994	.....	2,879	8,120	.....	4,805	.....	10,260	[5] 31,839

[1] Increase of 816 over 1932. [2] Increase of 33 over 1932. [3] Increase of 10 over 1932. [4] Increase of 419 over 1932 (includes 245 civilian employees of Army and Navy). [5] Increase of 859 over 1932.

Copy of Report of Trans-Isthmian Highway Survey Delivered to Panama

In compliance with a request from the Government of Panama, a copy of the report on the survey made in 1928 and 1929 for the proposed development of a trans-Isthmian highway, by building a road from Alhajuela to the Atlantic coast, was delivered to that Government on July 26, through the American Legation.

This survey was made under an appropriation of $45,000 in the Second Deficiency Act for 1928, and report was made in 1929 to the Secretary of War, by direction of which official a copy has been turned over to the State Department for delivery to Panama. The survey was projected in connection with Article II of the pending treaty of July 1926, between the United States and Panama. The treaty has not been ratified by Panama and the route has not been developed.

The route adopted in the survey contemplates a main road, about 25 miles long, from the right bank of the Chagres River at Alhajuela to a junction with the Fort Randolph Road, and a branch extending from the route at a point about three miles southeast of Cativa to Porto Bello, about 20 miles, and running approximately parallel to the Atlantic coast. The survey and estimates were for a concrete highway, 18 feet wide, which is the width of the Madden Highway. The route crosses the Chagres River on top of the Madden Dam. In connection with the Madden Highway and other existing roads on the Pacific and Atlantic sides of the Isthmus, the route connects Panama City, Colon, and Porto Bello.

Notice to Mariners and Aviators—Change in Hydrographic Broadcasts

The following information, obtained from the *Hydrographic Bulletin* from Washington, D. C., dated July 26, 1933, has been circulated by The Panama Canal in Notice to Mariners and Aviators No. 140, dated August 5, 1933:

Commencing July 24, 1933, Darien (Balboa) Radio Station, call letters NBA, on 46 kilocycles, will transmit hydrographic information, Washington weather and time signals (third order) at 0400 G.M.T. instead of 1000 G.M.T. as formerly. Time signals from 1755 to 1800 G.M.T. and hydrographic and weather information at 1800 G.M.T. will be broadcasted as usual.

Notaries Public in the Canal Zone

The following is a list of notaries public commissioned in the Canal Zone as of August 15, 1933. The list gives, by towns, the names, where stationed, and the date of expiration of commission:

ANCON.

Boyd, Oscar S., Municipal Division, October 23, 1934.
French, A. W., Gorgas Hospital, May 14, 1935.
McDougall, J. B., District Attorney's Office, March 29, 1935.
Norris, R. N., Municipal Division, August 11, 1936.
Ohlson, E. F., Gorgas Hospital, January 18, 1934.
Sheibley, F. H., District Court, October 27, 1935.
Stutzman, M. A., Land Office, June 26, 1934.
Walker, James J., District Court, November 22, 1934.

BALBOA.

Hyde, W. H., Port Captain, April 12, 1936.
Illwitzer, P. G., Balboa Storehouse, November 1, 1935.
Kalar, J. D., Port Captain, April 13, 1935.
Kelley, Thomas H., Mechanical Division, August 18, 1933.
Murray, P. E., Magistrate's Court, October 14, 1935.
Prager, J. F., Balboa Storehouse, December 13, 1935.
Smith, Walter R., Balboa Storehouse, September 4, 1934.

BALBOA HEIGHTS.

Attaway, E. F., Administration Building, Room 316, October 28, 1933.
Barnes, J. O., Administration Building, Room 377, October 17, 1935.
Boggs, W. B., Administration Building, Room 318, August 4, 1934.
Buehler, G. H., Administration Building, Room 205, August 17, 1934.
Daniels, W. L., Quarry Heights, July 13, 1935.
Lubert, Irving, Administration Building, Room 203, July 29, 1936.
Marshall, James, Administration Building, Room 301, February 1, 1936.
Schecker, C. A., Administration Building, Basement, January 19, 1936.
Sims, Walter H., Quarry Heights, December 1, 1933.
Taylor, R. G., Administration Building, Room 318, April 30, 1936.
Uhler, H. L., Administration Building, Room 310, January 14, 1936.
Ungar, J., Administration Building, Room 301, February 2, 1935.
Wang, Frank H., Administration Building, Room 305, May 16, 1935.
Williams, S. P., Administration Building, Room 203, July 10, 1936.

COROZAL.

Grimm, G. L., Corozal Hospital, October 10, 1935.
Lefever, John E., Corozal, February 28, 1934.
West, Charles E., Albrook Field, July 23, 1936.

CRISTOBAL-MOUNT HOPE.

Adams, Wm. E., United Fruit Co., June 12, 1936.
Campbell, J. S., District Court, January 28, 1935.
Clarke, V. J., Commissary Division, January 14, 1935.
Concklin, A. W., Commissary Division, July 28, 1934.
Fuller, Mrs. Maude W., Cristobal, December 9, 1933.
Hargy, F. F., Pan American-Grace Airways, December 1, 1935.
Kaufer, L. A., Cristobal Shops, June 14, 1935.
MacSparran, E. S., Receiving and Forwarding Agency, December 5, 1933.
Neely, Marion, U. S. Fleet Air Base, Coco Solo, October 12, 1934.
Raymond, J. G., Commissary Division, January 12, 1935.
Scarborough, W. W., Clubhouse (gold), January 24, 1936.
Slocum, E. L., Chase National Bank, February 2, 1936.
Walsh, M. H., Customs Office, August 5, 1935.
Ward, Mrs. Marie L., Receiving and Forwarding Agency, August 2, 1935.

GATUN.

Cotton, Arthur E., Clubhouse (gold), May 19, 1936.

PARAISO.

Holzapfel, A. F., Dredging Division, September 30, 1935.
Kimble, W. I., Dredging Division, August 5, 1935.

PEDRO MIGUEL.

Cauthers, R. A., Municipal Division, June 16, 1936.
Rader, T. C., Pacific Locks, January 30, 1936.

MADDEN DAM.

Brennan, A. L., Madden Dam Division, November 23, 1935.
Evans, Jerome, Madden Dam Commissary, December 30, 1934.

Ships' Chandlery Supplies

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost plus 25 per cent surcharge which covers local freight, handling, and other costs.

THE PANAMA CANAL RECORD

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Volume XXVII. Balboa Heights, C. Z., September 15, 1933. No. 2.

Traffic Through the Panama Canal in August 1933

The total vessels of all kinds transiting the Canal during the month of August in the two preceding years and in 1933 are shown in this tabulation:

	August 1931	August 1932	August 1933
Commercial ocean vessels	390	314	416
Commercial launches (under 20 tons)	4	7	20
Noncommercial vessels:			
United States Government	32	33	34
Vessels transiting solely for repairs	1	.....	1
Total	427	354	471

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried and tolls collected, from the commercial traffic transiting the Canal each month for the 12-month period ended August 31, 1933, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1931-32	1932-33	1931-32	1932-33	1931-32	1932-33	1931-32	1932-33
September	396	353	2,070,873	1,868,391	1,754,855	1,347,144	$1,820,735.75	$1,598,265.98
October	390	394	2,081,600	1,988,133	1,762,670	1,582,261	1,823,650.74	1,714,779.06
November	376	388	2,001,745	2,035,796	1,577,523	1,531,509	1,762,036.19	1,756,865.84
December	387	431	2,033,158	2,080,069	1,648,904	1,621,581	1,757,869.54	1,781,940.03
January	377	415	2,022,275	2,069,218	1,593,585	1,463,503	1,770,250.68	1,762,808.56
February	358	368	1,878,177	1,832,658	1,645,393	1,434,862	1,647,797.06	1,575,708.35
March	363	399	1,864,896	1,989,044	1,643,952	1,738,227	1,645,366.81	1,718,908.41
April	370	370	1,863,692	1,839,597	1,443,731	1,527,978	1,608,634.67	1,554,250.14
May	357	372	1,956,958	1,883,249	1,676,790	1,629,982	1,717,401.26	1,617,943.65
June	336	364	1,743,150	1,901,117	1,404,558	1,691,247	1,534,793.19	1,629,411.28
July	326	401	1,676,492	2,051,128	1,259,981	1,699,039	1,468,728.36	1,732,164.93
August	314	416	1,658,112	2,159,995	1,349,453	1,914,014	1,440,848.87	1,829,754.49
Total	4,350	4,671	22,851,128	23,698,395	18,761,395	19,181,347	19,998,113.12	20,272,800.72

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States, Panamanian, and Colombian Governments, including merchant vessels chartered by these Governments, and vessels transiting solely for repairs, do not pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Summary of Traffic by Nationality of Vessels for August 1933

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	83	476,308	360,790	Japanese	17	92,026	100,400
Chilean	1	3,886	.....	Netherlands	7	48,061	38,477
Danish	11	60,877	44,086	Norwegian	33	170,204	174,754
Danzig	1	8,224	.....	Panamanian	28	24,516	10,947
French	6	29,420	20,241	Peruvian	[1] 4	5,415	.....
German	22	77,536	69,198	Swedish	11	53,181	79,549
Greek	1	4,292	.....	United States	184	1,069,273	1,001,917
Honduran	1	48	2	Venezuelan	2	2,202	1,071
Italian	4	34,526	12,582	.....	.....	.....	.....

[1] Includes 3 naval vessels of 4,190 tons displacement.

Traffic by Trade Routes, August 1933

The movement of vessels over trade routes is summarized in the following table. They are classified according to primary origin and ultimate destination of the voyage

through the Canal and the cargo listed is the total aboard at time of transit. Cargo may be laden or discharged between the terminal areas indicated, hence in the cargo listed below there may be some which had other origin or destination:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	65	378,871	194,000	71	418,370	561,341
East coast United States and:						
Canada	5	18,207	7,849	4	17,702	15,272
Central America	3	6,198	.....	2	4,208	1,200
South America	14	73,823	9,153	13	63,823	165,254
Hawaiian Islands	2	10,699	6,316	2	10,947	10,226
Australasia	8	45,564	27,559	1	4,623	7,050
Philippine Islands	5	39,020	18,225	9	54,620	57,991
Far East	25	132,622	129,439	3	16,607	10,850
Europe and:						
United States	6	34,180	.....	3	20,404	30,901
Canada	26	153,747	49,727	31	180,404	217,859
South America	19	97,049	18,721	14	87,312	103,370
Australasia	6	50,926	22,180	6	50,161	38,837
Canadian intercoastal	2	7,349	4,910	1	3,757	6,000
East coast of Canada and:						
South America	2	15,163	.....	5	38,329	79,116
Australasia	2	8,286	6,272	2	8,493	5,840
South American intercoastal	1	7,270	13,545	.....	.....	.....
East coast of South America and:						
United States	2	10,082	6,542	.....	.....	.....
Canada	1	4,113	3,485	2	9,853	15,469
Far East	1	5,821	3,894	.....	.....	.....
Balboa	.....	.....	.....	1	1,101	.....
Cristobal and:						
Central America	4	1,489	1,529	2	1,445	899
South America	9	4,593	2,627	8	3,852	4,840
Balboa	4	86	12	7	711	151
United States	.....	.....	.....	1	5,725	10,627
Central American intercoastal	1	48	2	.....	.....	.....
West Indies and:						
United States	1	5,725	.....	.....	.....	.....
Balboa	1	1,101	1,071	.....	.....	.....
Far East	3	17,084	33,165	.....	.....	.....
Around the world	2	18,432	7,034	1	4,861	3,664
Foreign vessels in ballast (U.S. intercoastal)	1	4,673	.....	.....	.....	.....
Vessels not engaged in commerce (yachts, etc.)	4	102	.....	2	364	.....

Origin and Destination of Cargo, by Major Areas

The following table summarizes the origin of cargo passing through the Canal in August 1933 and its destination by major geographical and trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	200,356	22,353	143,638	7,434	27,559	401,340
Other North America	1,931	11,518	33,200	5,762	6,272	58,683
Europe	29,161	11,984	.....	17,087	22,180	80,412
Miscellaneous	11,008	443	1,801	13,570	.....	26,822
Total	242,456	46,298	178,639	43,853	56,011	567,257

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	558,455	22,509	132,790	8,049	721,803
Canada	13,308	11,758	110,748	2,110	137,924
Other North America	12,381	1,381	1,061	.....	14,823
South America	162,202	87,589	102,728	61	352,580
Australasia	10,719	2,315	38,693	.....	51,727
Asia	66,334	1,518	.....	48	67,900
Total	823,399	127,070	386,020	10,268	1,346,757

Principal Commodities

Commodities which aggregated 10,000 or more tons either during the past month or in the corresponding month in 1932 are listed below:

Commodity	August 1932	August 1933
Atlantic to Pacific	*Long tons*	*Long tons*
Asphalt and tar	8,356	15,550
Canned goods, various	7,334	10,937
Corn	20,998	4,149
Cotton	26,832	40,637
Iron and steel, manufactures of	33,875	94,309
Oils, mineral	33,166	77,474
Paper	14,385	23,549
Phosphates	12,833	13,551
Scrap metal	14,343	46,100
Sulphur	18,459	25,373
Tinplate	7,527	15,468
Pacific to Atlantic		
Barley	19,312	17,331
Canned goods, various	67,587	76,722
Cold storage (food products) [1]	6,904	20,172

Commodity	August 1932	August 1933
Pacific to Atlantic—Continued	*Long tons*	*Long tons*
Copra	4,175	11,919
Cotton, raw	6,547	11,178
Flour	8,303	21,617
Fruit, dried	23,521	23,641
Fruit, fresh	17,710	15,222
Lumber	124,633	246,454
Metals	34,314	48,510
Nitrate	25	32,375
Oils, mineral	273,396	354,440
Oils, vegetable	9,054	14,298
Ores (principally iron)	10,800	145,326
Sugar	154,901	73,105
Wheat	121,736	78,903
Wood pulp	4,413	14,851
Wool	3,224	10,207

[1] Does not include fresh fruit.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of August 1933, as reported in the cargo declarations, showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations small items are frequently grouped under the designation of "general cargo"; the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal: Atlantic to Pacific	United States intercoastal: Pacific to Atlantic	Total for all trade routes including U.S. intercoastal: Atlantic to Pacific	Total for all trade routes including U.S. intercoastal: Pacific to Atlantic
Aircraft and parts	.....	36	9	42
Agricultural implements	196	.....	1,045	.....
Alfalfa meal	.....	1,380	.....	1,430
Ammonium compounds	219	7	1,371	2,156
Animal foods [1]	503	500	803	501
Apparel, wearing (hats, shoes, clothing, etc.)	448	.....	511	7
Asbestos	139	.....	742	.....
Asphalt and tar	399	11	15,550	295
Automobiles (and autotrucks)	3,486	49	5,657	59
Automobile parts and accessories	986	32	3,222	39
Bananas	.....	.....	.....	1,346
Bags and bagging, textile	650	117	1,181	455
Barks, miscellaneous	.....	41	.....	653
Barley	.....	49	4	17,331
Beans, edible, dry	.....	4,402	5	7,126
Beer	600	604	655	606
Beverages, nonalcoholic	305	.....	322	.....
Blood and tankage	.....	.....	.....	60
Bones and bone meal	.....	.....	798	.....
Books and printed matter	111	.....	111	.....
Borax	.....	1,431	5	5,713
Bran and pollards	.....	.....	450	843
Bricks and tile	505	.....	812	.....
Camphor, crude	.....	15	.....	385
Canned and preserved goods:				
Fish	207	10,547	382	14,376
Fruit	352	22,647	455	44,963
Meat	68	584	1,574	736
Milk	.....	845	293	1,306
Soup	3,578	.....	3,905	.....
Vegetables	1,034	5,486	1,169	5,739
Miscellaneous and unclassified	2,189	7,278	3,159	9,602
Carbon black	83	.....	914	.....
Celite	.....	687	.....	810
Cement	286	.....	6,592	.....
Chalk	.....	.....	1,497	.....
Charcoal	37	108	127	108

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Chemicals [1]	3,677	961	7,300	1,117
Clay, china and fire	278	147	304	147
Clay, filtering	.....	105	.....	105
Clorox	.....	18	.....	18
Coal	1,860	.....	4,836	.....
Cocoa and cacao beans	332	.....	684	956
Coconuts and products [1]	167	449	167	604
Coffee	173	57	5,412	8,409
Coke	.....	.....	4,779	.....
Cold storage and refrigerated products:				
Dairy products	27	105	180	7,318
Eggs	.....	7	.....	90
Fish	.....	.....	13	779
Lard	93	.....	117	.....
Meats	4	.....	145	11,593
Poultry	4	.....	34	.....
Vegetables	.....	.....	13	4
Other and unclassified	.....	.....	.....	388
Confectionery	185	.....	226	.....
Copra	.....	.....	.....	11,919
Corn	3,543	.....	4,149	.....
Cotton, raw	1,102	796	40,637	11,178
Creosote	.....	.....	82	.....
Drugs and medicines	1,324	.....	1,419	.....
Dyes	787	.....	1,701	4
Earthenware	79	78	313	78
Eggs, dried	.....	11	.....	11
Electrical apparatus and appliances	375	91	537	91
Explosives	78	.....	926	.....
Extract, quebracho	.....	.....	332	.....
Fertilizers [1]	23	43	5,144	43
Fish, salted or dry cured	.....	.....	.....	17
Fish meal	.....	.....	.....	1,616
Floor coverings	771	245	804	245
Flour	206	16,591	880	21,617
Fruit, dried	71	10,992	145	23,641
Fruit, fresh [1]	24	2,897	24	15,222
Furniture and household goods	487	323	554	338
General	22,455	10,101	42,645	17,074
Glass and glassware	2,530	136	4,185	691
Glue	30	195	150	215
Groceries	871	120	1,422	126
Guano	.....	.....	.....	6,000
Gums	.....	111	.....	251
Hair, all kinds	.....	138	34	152
Hay	.....	899	.....	899
Hemp, unmanufactured	.....	194	15	1,588
Honey	.....	258	70	494
Hops	.....	7	.....	7
Horns and hoofs	.....	.....	.....	66
Infusorial earth	.....	278	.....	482
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	65,027	2,179	94,309	2,446
Ivory nuts	.....	.....	28	2,540
Lard substitute	617	.....	617	.....
Liquors	96	8	589	431
Lumber (including manufactured mill products)	1,697	153,976	2,595	246,454
Machinery (other than electrical)	1,393	279	6,143	425
Malt	48	.....	514	.....
Manufactured goods [1]	5,335	358	7,577	1,056
Marble and granite	174	.....	271	.....
Matches	369	296	375	503
Metals:				
Antimony	.....	.....	.....	75
Copper	.....	9,622	525	30,767
Gold and silver	.....	.....	41	220
Iron	218	3	977	3
Lead	29	2,718	468	10,738
Scrap	195	740	46,100	879
Tin	50	.....	99	375
Zinc	151	23	611	4,458
Other and unclassified	24	70	29	995
Milk, powdered	34	442	85	468
Molasses and syrups	611	.....	628	.....
Nitrates	1,461	.....	3,420	32,375
Nuts, edible (including meats)	107	56	284	81
Oats	84	.....	84	2,467
Oils, mineral:				
Crude	.....	.....	100	102,605
Gas and fuel	.....	16,000	13,545	29,366

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Oils, mineral—Continued:				
Gasoline, benzine, and naphtha	7,495	182,279	11,756	220,370
Kerosene	.....	738	34,011	1,418
Lubricating and greases	7,865	276	18,062	591
Other and unclassified	.....	.....	.....	90
Oils, vegetable:				
Coconut	.....	.....	77	8,479
Cottonseed	162	.....	189	.....
Linseed	249	50	1,170	50
Olive	12	17	299	17
Rapeseed	.....	.....	13	91
Wood	11	62	15	3,376
Other and unclassified	261	78	459	2,285
Oil, fish	.....	.....	441	66
Oil, whale	.....	543	.....	543
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	.....	.....	.....	2,185
Oilseed cake and meal	.....	.....	.....	3,995
Ores:				
Chrome	.....	.....	.....	7,050
Copper	.....	.....	10	738
Iron	.....	.....	509	129,756
Magnesite	.....	2,512	.....	2,512
Manganese	.....	.....	531	.....
Tin	.....	.....	.....	2,504
Zinc	.....	.....	.....	2,300
Other and unclassified	168	.....	3,078	466
Paints and varnishes	462	55	1,050	61
Paper and paper products [1]	9,092	6,468	23,549	8,796
Paper, scrap	.....	1,613	577	1,613
Peanuts	495	56	497	56
Peas, dry	.....	300	.....	584
Peatmoss	.....	.....	306	.....
Phosphates	203	77	13,551	77
Plaster	20	.....	20	.....
Porcelainware	201	219	493	3,227
Potash	.....	2,865	801	2,865
Pyrethrum flowers	.....	.....	.....	170
Rags and waste	148	178	1,097	399
Railroad material	108	.....	1,346	.....
Rice	214	1,596	1,167	6,033
Rope and twine	324	162	389	230
Rosin	1,364	90	5,397	90
Rubber:				
Manufactured	918	80	1,168	501
Raw	.....	.....	.....	2
Scrap	.....	67	180	135
Salt	240	.....	5,773	2,450
Sand	1,337	.....	2,477	.....
Seeds (except oilseeds)	37	974	2,898	1,590
Sewer pipe (concrete and terra cotta)	332	.....	332	.....
Shells, oyster	1,601	15	2,192	82
Silk, raw	.....	2,848	.....	3,868
Skins and hides	.....	2,296	257	6,161
Slag	.....	.....	25	9
Slate	392	.....	392	.....
Soaps and products	2,179	894	2,526	1,021
Soda and sodium compounds	1,072	.....	2,258	313
Soy beans	151	.....	151	30
Sugar	29	26,134	61	73,105
Sulphur	19,832	.....	25,373	158
Talc	.....	108	7	142
Tallow	.....	36	.....	1,473
Tea	.....	49	185	2,145
Textiles [2]	5,018	352	9,359	1,600
Tinplate	172	41	15,468	97
Tobacco and manufactures	623	17	4,056	40
Toilet preparations	272	7	344	7
Turpentine	122	.....	769	.....
Vegetables, dry [1]	.....	144	15	237
Wall board	737	405	827	1,507
Wax, paraffin	622	59	1,831	59
Wheat	.....	17,819	500	78,903
Wines	9	243	263	974
Wood pulp	130	10,623	2,949	14,851
Wool	20	5,031	49	10,207
Total, August, 1933	200,356	558,455	567,257	1,346,757
Total, August, 1932	131,251	359,379	348,271	1,001,182
Total, August, 1931	176,844	475,747	463,512	1,325,722

[1] Except as otherwise classified. [2] Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during August 1933, classified according to trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	11	64,357	[1] 12,380	18	106,965	199,017
East coast of United States and South America	3	18,098	.....	1	5,049	10,210
East coast Canada and South America	2	15,163	.....	5	38,329	79,116
South American intercoastal	1	7,270	13,545	.....	.....	.....
West Indies and United States	1	5,725	.....	.....	.....	.....
West Indies and Balboa	1	1,101	1,071	.....	.....	.....
West Indies and Far East	3	17,084	33,165	.....	.....	.....
Europe and United States	2	15,213	.....	2	14,100	25,121
Europe and South America	3	21,513	.....	2	13,289	26,176
Cristobal and United States	.....	.....	.....	1	5,725	10,627
East coast United States and Canada	.....	.....	.....	1	4,370	.....
South America and Balboa	.....	.....	.....	1	1,101	.....
United States and Philippine Islands	.....	.....	.....	1	3,761	[2] 6,700
Total	27	165,524	60,161	32	192,689	356,967

[1] 3,739 tons discharged at Balboa. [2] Vegetable oils.

Comparison of Canal Traffic in August 1933, with August Traffic in Previous Years

Calendar year	Month of August			Fiscal year	Average per month for fiscal year		
	Commercial transits	Panama Canal net tonnage	Tons of cargo		Commercial transits	Panama Canal net tonnage	Tons of cargo
1914	[1] 24	89,894	110,884	1915	[2] 102	[2] 361,197	[2] 465,567
1915	155	492,752	571,475	1916	63	199,687	257,843
1916	137	443,415	505,673	1917	150	483,213	588,213
1917	170	511,648	579,340	1918	172	547,839	627,669
1918	158	452,005	533,703	1919	169	510,416	576,385
1919	188	586,111	715,724	1920	206	712,170	781,208
1920	266	951,345	1,040,740	1921	241	951,323	966,601
1921	236	965,276	839,273	1922	228	951,455	907,075
1922	257	1,084,133	1,165,950	1923	331	1,550,482	1,630,656
1923	454	2,232,590	2,168,750	1924	436	2,179,073	2,249,559
1924	372	1,901,895	1,958,479	1925	389	1,904,596	1,996,570
1925	372	1,779,627	1,912,217	1926	433	2,064,549	2,169,787
1926	464	2,230,905	2,321,697	1927	456	2,185,651	2,312,351
1927	543	2,513,614	2,429,947	1928	538	2,454,886	2,469,226
1928	526	2,437,246	2,425,336	1929	534	2,468,483	2,555,250
1929	541	2,558,739	2,680,730	1930	515	2,498,385	2,502,519
1930	465	2,345,573	2,148,469	1931	461	2,316,012	2,090,233
1931	390	1,998,194	1,789,234	1932	376	1,968,785	1,650,667
1932	314	1,658,112	1,349,453	1933	375	1,901,823	1,514,811
.....	.....	.....	.....	[3]	388	1,965,751	1,637,357

[1] Canal opened August 15, 1914. [2] Average for 10½ months. [3] Average 8 months calendar year 1933.

Terminal Activities

Ships repaired during the month of August 1933, numbered 53, including 11 which were drydocked. Fuel oil in the quantity of 252,297 barrels was delivered as bunkers to 93 commercial vessels. Bunker coal amounting to 2,438 tons was delivered to 13 vessels. Sales of commissary supplies to vessels aggregated $45,030.40.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving ..... tons	86,275	14,237	100,512
Local cargo shipped ..... tons	5,036	600	5,636
Cargo received for transshipment ..... tons	25,714	1,280	26,994
Cargo transshipped ..... tons	23,805	923	24,728
"Canal Zone for Orders" cargo:			
Number of receipts issued	98	43	141
Number of releases issued	806	313	1,119
Tons received	547	282	829
Tons withdrawn	568	336	904

All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
Ships entering						
All vessels, including those transiting Canal..	471	3,011,664	1,801,134	393	2,491,288	1,497,652
Vessels entering port but not transiting Canal.	63	409,866	223,343	13	58,963	31,934
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	126	874,776	519,954	100	700,218	413,093
Ships clearing						
All vessels, including those transiting Canal..	471	3,021,186	1,808,225	393	2,492,105	1,499,911
Vessels clearing port but not transiting Canal.	61	403,228	219,212	12	59,040	31,918
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	126	886,320	526,173	100	699,253	413,544

Passengers

Ocean ship passengers disembarking at Cristobal numbered 1,488; embarking, 1,969; at Balboa, 605 disembarking and 935 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 2,851, from the Pacific to the Atlantic, 4,382. Aircraft numbering 46 entered Cristobal, and 89 passengers disembarked; clearances were 46, with 98 passengers embarking; there were no entries or clearances of aircraft at Balboa.

Licenses to Practice the Healing Art in the Canal Zone

The Panama Canal has received copies of Executive Order No. 6219, signed by the President on July 26, 1933, to take effect immediately, prescribing regulations governing the issue of licenses to practice the healing art in the Canal Zone. The essential features of the order are that it follows, as nearly as practicable, the principles contained in the practice act for the District of Columbia and establishes more specifically than previous regulations for the Canal Zone the conditions governing the issuance of licenses to both orthodox physicians and surgeons and those of recognized schools of various drugless cults. Every applicant to practice the art of healing as applied to the human body must first pass an examination in the five "basic sciences of anatomy, physiology, pathology, bacteriology, and chemistry before being examined in his particular method of practice. The full text of the Order is published as supplement No. 24 to "Executive Orders Relating to the Panama Canal."

Prices of Fuel Oil from Canal Tanks

Due to rises in the price of fuel oil, The Panama Canal issued on August 31, 1933, supplement No. 4 to Tariff No. 11, establishing a price of $1.05 per barrel of 42 gallons, delivered to vessels at either Cristobal or Balboa. Subsequently it was decided, in view of probable fluctuations in the price of oil, to eliminate definite prices from the tariff and to furnish prices on application.

Nearly all of the fuel oil sold to vessels at the Canal is sold by oil companies with tanks in the oil farms near the Canal terminals.

Facilities for Shipping

The Panama Canal is equipped with all the facilities for the fueling, supply, and repair of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from ample stocks at both ends of the Canal. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The commissary stores sell foodstuffs, fresh meats, fruits, and vegetables, as well as clothing and a general line of goods for supplying about 30,000 people resident on the Isthmus. Ice plants, a large laundry, hotels, hospitals, and restaurants serve the passengers and crews of ships.

A 1,000-foot dry dock, capable of receiving the largest ships built, a smaller dry dock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large covered piers for the storage of cargo. These are modern structures, fireproof, ratproof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal during the years of operation.

Movements of Ocean Vessels Through the Panama Canal

From midnight August 15, to midnight September 15, 1933

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
San Benito	9	17	Pan.	United Fruit Co.	Boston, Mass.	Pto. Arm'les, R.P.	Ballast	.....
Point Sur	15	16	Amer.	Swayne & Hoyt	Beaumont, Texas	Seattle, Wash.	(16)	3,026
Dakotan	15	16	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	2,907
Dolphin [7]	11	16	Amer.	U. S. Navy	U. S. port	San Diego, Calif.	Ballast	.....
Granville [2]	15	16	Pan.	Fred Olsen & Co.	Hull, Eng.	Vancouver, B.C.	(17)	3,140
Comeric	16	16	Brit.	Andrew Weir & Co.	New Orleans, La.	Nauru, N.Z.	Ballast	.....
President Herrenschmidt [1] [2]	16	16	Nor.	Pechelbronn	Pt. de Bouc, Fr.	LaLibertad, Ecua.	Ballast	.....
Atlanta City	16	16	Amer.	Norton, Lilly & Co.	Baltimore, Md.	Hawaiian Islands	Ballast	.....
Pasajero [3]	13	16	Hond.	Franciscol Beltran	Bluefields, Nic.	(15)	Coffee, hats.	1½
Dos Hermanos [3]	15	...	Pan.	Alberto Gutinez	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Orla II [2]	16	17	Nor.	Carson Steel Co.	Norfolk, Va.	Yawata, Japan	Scrap steel	5,209
Edward Luckenbach.	17	17	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,336
Fernhill [2]	17	17	Nor.	Carson Steel Co.	Port Tampa, Fla.	Yawata, Japan	Scrap iron	7,109
Santa Barbara [2]	17	18	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	2,553
Eugenia D. [3]	17	...	Colom.	William Salazar	Colon, R.P.	Balboa, C.Z.	Ballast	.....
Svaap [6]	8	...	Amer.	Wm. A. Robinson	New York, N.Y.	Galapagos Island	Ballast	.....
E. T. Bedford [1] [2]	18	18	Amer.	Standard Ship. Co.	Boston, Mass.	Talara, Peru	Ballast	.....
Steelmaker	18	18	Amer.	Isthmian S.S. Lines	Mobile, Ala.	Seattle, Wash.	Steel	2,156
Victoria City	18	19	Brit.	Reardon Smith Line	Houston, Texas	Yawata, Japan	(18)	6,482
President Adams	18	18	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	Autos, gen.	3,666
LaPlata Maru [2]	18	18	Jap.	Osaka Shosen Kaisha.	Buenos Aires, Arg	Kobe, Japan	(19)	3,894
Santa Cecilia	17	19	Amer.	Panama Mail S.S. Co.	New York, N.Y.	S. Francisco, Cal.	Gen., coffee	1,757
Real [3]	15	18	Pan.	Hans Elliot	Cristobal, C.Z.	Pedregal, R.P.	Iron, etc.	9
Rigel [2]	19	19	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B.C.	General	3,485
Katrina Luckenbach.	19	19	Amer.	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General	7,000
Appledore	19	19	Brit.	Anglo-Can. S.S. Co.	Barry, Eng.	Vancouver, B.C.	Ballast	.....
Bodegraven	19	19	Neth.	Royal Neth. S.S. Co.	Hamburg, Ger.	Valparaiso, Chile.	General	1,369
Lagarto [2]	19	...	Brit.	Pacific Steam Nav.Co.	Hull, Eng.	Corral, Chile	General	1,966
Omah [5]	...	...	Amer.	J.R. Powell	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Arizonan	19	20	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	3,092
Pacific Exporter [2]	20	20	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B.C.	General	349
Forbes Hauptman	20	20	Amer.	McCormick S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	Steel, gen.	2,187
Chilore	20	20	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile.	Ballast	.....
Portmar	20	21	Amer.	Calmar S.S. Corp.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,357
Retriever [13]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Glenpool [1]	20	22	Amer.	Standard Ship. Co.	Baytown, Texas	Los Angeles, Cal.	Pet., gasoline	3,739
Jane Christenson	20	21	Amer.	McCormick S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	3,988
Soyo Maru [2]	21	21	Jap.	Kawasaki K. Kaisha	Tampa, Fla.	Kobe, Japan	Phosphates	5,015
Sagadahoc	21	21	Amer.	Argonaut S.S. Co.	Baltimore, Md.	S. Francisco, Cal.	Ballast	.....
Seattle [2]	20	21	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	5,588
Cerigo	12	21	Ger.	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil, Ecuad	General	369
Nuevo Panama [2]	20	22	Pan.	Hans Elliot	Cristobal, C.Z.	B'ventura, Col.	General	75
Alain Gerbault [6]	2	...	Fr.	A. Gerbault	Marseilles, France	Tahiti	Ballast	.....
Golden Hind	21	22	Amer.	Amer.-Hawaiian Line.	Charleston, S.C.	Seattle, Wash.	General	2,679
Gracia	21	22	Brit.	Donaldson Brothers	Glasgow, Scot.	Vancouver, B.C.	General	782
Nokomis [14]	19	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Minden	21	22	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	2,076½
Unden	21	22	Swed.	Transatlantic S.S. Co.	Newp't News, Va.	Brit. Columbia [20]	Ballast	.....
Lochmonar [2]	21	22	Brit.	Royal Mail Line, Ltd.	Rotterdam, Neth.	Vancouver, B.C.	General	1,821
Goolistan	22	22	Brit.	Common Brothers	S. Shields, Eng.	Vancouver, B.C.	Ballast	.....
Vera Radcliffe	22	22	Brit.	Saltpeter Co.	Sunderland, Eng.	Tocopilla, Chile.	Ballast	.....
Geisha [2]	22	22	Nor.	Knut Knutson, OAS.	Oslo, Norway	Valparaiso, Chile.	General	2,383
Winnipeg	22	22	Fr.	French Line	Havre, France	Vancouver, B.C.	(21)	4,766
Takaoka Maru	22	22	Jap.	Nippon Yusen Kaisha	Philadelphia, Pa.	Kobe, Japan	(22)	7,550
Belgium Maru	22	23	Jap.	Kokusai Kisen Kaisha	Chester, Pa.	Yawata, Japan	Steel, cotton	6,849
Missourian [2]	22	22	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,545
Niel Maersk [2]	22	23	Dan.	Maersk Line	Boston, Mass.	Iloilo, P.I.	General	5,850
Ontariolite [1] [2]	22	23	Brit.	Imperial Oil Co.	Halifax, N.S.	Talara, Peru	Ballast	.....
Aldington Court [2]	22	23	Brit.	Canadian Trans. Co.	London, Eng.	Vancouver, B.C.	Ballast	.....
Steel Engineer	23	23	Amer.	Isthmian S.S. Lines	Swansea, Eng.	Vancouver, B.C.	General	5,134
Ethan Allen	23	24	Amer.	Lykes Bros. Ripley Co.	New Orleans, La.	Cebu, P.I.	General	5,057
Inverbank [2]	23	24	Brit.	Trinder Anderson	Tampico, Mex.	Wellington, N.Z.	Asphalt	8,056
Real [3]	22	23	Pan.	Hans Elliot	Cristobal, C.Z.	Pedregal, R.P.	General	45
San Simeon	23	24	Amer.	Quaker Line	New York, N.Y.	Tacoma, Wash.	General	2,250
Mariquita [1]	23	...	Venez.	Shell Oil Co.	Curacao, D.W.I.	Balboa, C.Z.	Gasoline	1,071
Hakubasan Maru [2]	23	24	Jap.	Mitsui & Co.	New York, N.Y.	Miike, Japan	Cotton, rosin	5,733
Snestad [2]	23	24	Nor.	Internat'l Freight Co.	Philadelphia, Pa.	Tocopilla, Chile.	Ballast	.....
Pomona	23	24	Amer.	Pac. Coast Direct Line	Norfolk, Va.	Seattle, Wash.	General	3,207
J.L. Luckenbach	24	24	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Gen., autos.	3,823

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [6] Yacht. [7] Submarine. [13] Craneboat. [14] Survey ship. [15] San Juan del Sur, Nicaragua. [16] Paper, rice, pipe, general. [17] Coke, malt, iron, general. [18] Cotton and scrap iron. [19] Cotton, coffee, general. [20] For orders. [21] General, chalk, coke. [22] Cotton and phosphate rock.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Barfonn [1] [2]	24	24	Nor...	Standard Ship. Co...	Caripito, Venez..	Tocopilla, Chile..	Fuel, Diesel.	13,545
Thurland Castle [2]	24	24	Brit...	Barber Line	New York. N.Y.	Shanghai, China.	General	1,566
Steel Voyager	24	24	Amer..	Isthmian S.S. Lines..	Baltimore, Md..	Honolulu, T.H...	([13])	6,316
Tulsagas [2]	24	25	Amer..	Tidewater Oil Co	New York, N.Y.	Los Angeles, Cal.	([14])	8,641
President Taft	25	25	Amer..	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	1,784
Pennsylvania	25	25	Amer..	Panama Pacific Line.	New York, N.Y..	S. Francisco, Cal.	General	2,450
Constance Chandler.	25	25	Amer..	Arrow Line	Baltimore, Md..	Seattle, Wash.	General	2,322
Cingalese Prince [2]	25	25	Brit...	Prince Line, Ltd	Philadelphia, Pa.	Singapore, St.Set.	General	2,740
Sunoil [1] [2]	25	25	Amer..	Sun Oil Co	Chester, Pa	Los Angeles, Cal.	Ballast	
Marion Otis Chandler.	25	25	Amer..	Shepard S.S. Co	New York, N.Y..	Los Angeles, Cal.	General	3,500
City of Lilla [2]	25	25	Brit...	Ellerman & Bucknall.	New York, N.Y.	Dairen, China	General	2,395
Richmond [1] [2]	25	...	Amer..	U.S. Navy	High seas	Balboa, C.Z.	Ballast	
Orazio [2]	24	26	Ital...	Italia Line	Genoa, Italy	Valparaiso, Chile.	General	664
Acajutla	19	26	Brit...	Pacific Steam Nav.Co.	Cristobal, C.Z.	Champ'ico, Guat.	General	606
Hamm	25	26	Ger...	Hamburg-Amer. Line.	Hamburg, Ger..	Pimental, Peru	Ballast	
K.R. Kingsbury [1]	26	26	Amer..	Shell Oil Co	Fall River, Mass.	Los Angeles, Cal.	Ballast	
Steelore	26	26	Amer..	Bethlehem Steel Co..	Baltimore, Md..	Cruz Gr'de, Chile	Ballast	
Port Hunter	26	26	Brit...	Com. & Dom. Line...	London, Eng	N. Plymouth,NZ.	Gen., exp'vs.	3,352
Kansan	26	26	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,265
Santa Rita [2]	25	26	Amer..	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	291
California	26	26	Ital...	Nav. Lib. Triestina.	Genoa, Italy	Vancouver, B.C..	General	283
Margaret Johnson. [2]	26	27	Swed..	Johnson Line	Stockholm,Swed.	Vancouver, B.C..	Gen., steel	4,050
Santa Paula	26	27	Amer..	Panama Mail S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	3,239
Northern Sun [1] [2]	26	26	Amer..	Sun Oil Co	Chester, Pa	Los Angeles, Cal.	Ballast	
Lycia [2]	26	27	Brit...	Lyle Shipping Co	Cardiff, Eng.	Vancouver, B.C..	Sugar, coffee	32
Real [3]	25	26	Pan...	Hans Elliot	Cristobal, C.Z.	Pto. Arm'les,R.P.	25 mules	
Java Arrow [1]	27	27	Amer..	Stand. Vacuum Tr'sp.	New York, N.Y..	Los Angeles, Cal.	Ballast	
Nordanvik [1] [2]	27	27	Swed..	Anglo-Saxon Pet. Co	Curacao, D.W.I.	Kagoshima,Japan	Kerosene	10,672
Mallard [10]	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
S-15 [7]	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Deebank	27	28	Brit...	Andrew Weir & Co...	New Orleans, La.	Fiji Islands	Ballast	
Point Caleta	28	28	Amer..	Gulf Pacific Line	Houston, Texas..	Seattle, Wash.	Corn, pipe	5,250
S-16 [7]	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
S-17 [7]	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Atlantic	28	28	Amer..	Argonaut S.S. Co	New York, N.Y.	Seattle, Wash.	Steel, general	1,977
Pennmar	28	28	Amer..	Calmar Line	Baltimore, Md..	Seattle, Wash.	Steel, general	6,390
Clan Alpine	28	28	Brit...	Clan Line	Norfolk, Va	Queensland,Aust.	Ballast	
Oonic	28	28	Brit...	Shaw, Savill & Albion	London, Eng	Bluff, N.Z.	General	4,048
Nuevo Panama [2]	27	28	Pan...	Hans Elliot	Cristobal, C.Z.	B'ventura, Col.	General	125
Cali	26	28	Ger...	North German Lloyd.	Cristobal, C.Z.	Guayaquil,Ecuad	General	575
Brynje [2]	28	28	Nor...	Canadian Transp. Co.	Tampa, Fla	Vancouver, B.C..	([15])	5,126
Lapwing [10]	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
J-26 [5]	...	...	Amer..	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Benjamin Franklin. [2]	30	31	Nor...	Fred Olsen & Co	Oslo, Norway	Vancouver, B.C..	([16])	2,870
J.H. Senior [1] [2]	30	30	Danz..	Baltic-Amer. Pet. Co.	Fawley, Eng.	Talara, Peru	Ballast	
Pacific Commerce [2]	30	30	Brit...	Canadian Transp. Co.	Swansea, Eng	Vancouver, B.C..	General	6,612
Columbia [2]	30	30	Dan...	Orient S.S. Co	London, Eng	Vancouver, B.C..	Ballast	
Hollywood	29	31	Amer..	McCormick S.S. Co	Buenos Aires,Arg.	Los Angeles, Cal.	General	2,867
Oregonian	30	30	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,344
Ward [2]	30	30	Amer..	Roosevelt S.S. Co	New York, N.Y.	Shanghai, China.	General	1,348
Cathwood [1]	30	31	Amer..	Union Oil Co	Tiverton, R.I.	Los Angeles, Cal.	Ballast	
Jeff Davis [2]	30	31	Amer..	Roosevelt S.S. Co	Philadelphia, Pa.	Fremantle, Aust.	Oil, general	3,220
Sambu [3]	29	...	Pan...	Hans Elliot	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Kayak [3]	...	...	Amer..	Olaf Jacob	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
La Paz [1]	30	31	Brit...	Pacific Steam Nav.Co.	Hull, Eng.	Valparaiso, Chile.	General	2,868
El Aleto [1] [2]	30	31	Brit...	Anglo Ecuad. Oil Co.	Philadelphia, Pa	LaLibertad,Ecua.	Ballast	
Moldanger [2]	30	31	Nor...	Interocean Line	Rotterdam,Neth.	Vancouver, B.C.	Ballast	
San Gil	31	1	Pan...	United Fruit Co	Boston, Mass.	Pto. Arm'les,R.P.	Ballast	
Borgestad [2]	30	31	Nor...	Canadian Transp. Co.	Pt. Alfred, Can..	British Colombia	Ballast	
Kwanto Maru [2]	31	31	Jap...	Osaka Shosen Kaisha.	Boston, Mass.	Shanghai, China.	Cotton, gen.	8,173
Nordhavet [2]	31	31	Dan...	Anglo Can. Ship. Co.	Copenhagen,Den.	Los Angeles, Cal.	Ballast	
F.J. Luckenbach	31	31	Amer..	Luckenbach Line	Boston, Mass.	Tacoma, Wash..	General	4,899
Sesostris	30	31	Ger...	Hamburg-Amer. Line.	Hamburg, Ger..	Valparaiso, Chile.	General	3,341
Santa Clara	31	1	Amer..	Grace Line	New York, N.Y.	SanAntonio,Chile	General	3,110
Horda	31	1	Nor...	Chilean Nitrate Sales.	Baltimore, Md..	Iquique, Chile	Ballast	
President Harrison	9-1	1	Amer..	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	3,232
Santa Ana	31	2	Amer..	Panama Mail S.S. Co.	New York, N.Y..	S. Francisco, Cal.	General	1,809
San Felipe	9-1	1	Amer..	Quaker S.S. Line	Philadelphia, Pa.	Portland, Oreg..	Ballast	
West Cape	1	1	Amer..	McCormick S.S. Co..	Albany, N.Y.	Tacoma, Wash.	General	2,782
Republic [8]	1	3	Amer..	U.S. Army	Brooklyn, N.Y..	Honolulu, T.H.	General	1,294
Atheldukе [1] [2]	2	2	Brit...	United Molasses Co..	Philadelphia, Pa.	LaLibertad,Ecua.	Ballast	
Mathew Luckenbach.	2	2	Amer..	Luckenbach Gulf Co.	Houston, Texas..	Tacoma, Wash..	General	6,147

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [7] Submarine. [8] Transport.
[10] Mine sweeper. [12] Cruiser. [13] General, sulphate of ammonia. [14] Casinghead gasoline, lubricating oil.
[15] Phosphate, general, sulphur. [16] Cement, paper, oil, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Lebore	2	3	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile.	Ballast	.....
Real [3]	8	30	Pan.	Hans Elliot	Cristobal, C.Z.	Pto. Arm'les, R.P.	([14])	15
Nevadan	2	3	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,755
Willamette Valley. [2]	3	3	Brit.	Sir W.R.Smith & Sons	Hull, Eng.	Kobe, Japan	Cotton, steel	8,181
Cape Ortegal	3	3	Brit.	Lyle Shipping Co.	Greenoch, Eng.	Taltal, Chile	Ballast	.....
Panquiaco	8	17	Pan.	J.C. de Obaldia	Cartagena, Col.	B'ventura, Col.	Salt	283
Schwaben	2	3	Ger.	North German Lloyd.	Hamburg, Ger.	Vancouver, B.C.	General	4,266
Marie Bakke [2]	3	3	Nor.	Knut Knutsen	Hernosand, Swed.	Chilean ports	Ballast	.....
Port Alma [2]	3	3	Brit.	Com'lth & Dom. Line	Liverpool, Eng.	Dunedin, N.Z.	General	4,050
Plow City	3	3	Amer.	Continental Grain Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Dinteldijk [2]	3	4	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Vancouver, B.C.	General	898
Victor Ross [1] [2]	4	4	Danz.	Standard Ship. Co.	New York, N.Y.	Talara, Peru	Ballast	.....
Nuevo Panama [2]	3	..	Pan.	Hans Elliot	Cristobal, C.Z.	Balboa, C.Z.	Drydocking	.....
Durazzo	30	4	Ger.	Hamburg-Amer. Line.	Pto. Col'bia, Col.	Guayaquil, Ecuad	Coffee, gen.	308
Julia Luckenbach.	4	4	Amer.	Luckenbach Line	New York, N.Y.	Seattle, Wash.	Gen., autos.	428
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Pacific Trader [2]	4	5	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B.C.	General	218
Mary Ann [1] [3]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Mauna Ala	5	5	Amer.	Isthmian S.S. Lines	Baltimore, Md.	S. Francisco, Cal.	General	5,494
Antietam [1]	5	5	Amer.	Shell E.P. Prod. Corp.	Fall River, Mass.	Los Angeles, Cal.	Ballast	.....
Columbian	5	5	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	1,980
Chester Sun [1] [2]	5	5	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Texmar	5	6	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,031
Gen. Wm.M.Graham. [11]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Lieut. Col. H. C. Schumm. [4]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
San Lucas	5	6	Amer.	Pacific-Atlantic Corp.	Philadelphia, Pa.	Tacoma, Wash.	General	4,035
Thordis [1] [2]	6	6	Nor.	Anglo-Saxon Pet. Co.	Curacao, D.W.I.	Kagoshima, Japan	Kerosene	10,800
Wyoming	5	6	Fr.	French Line	Havre, France	Vancouver, B.C.	Coke, rags	3,836
Amerika [2]	6	6	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B.C.	General	220
Nevada	5	6	Fr.	French Line	Havre, France	Valparaiso, Chile.	General	1,861
Swan [10]	..	6	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Pirre [3]	5	..	Pan.	A.A. Valdez	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Sambu [3]	5	..	Pan.	Hans Elliot	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Langleecrag	6	7	Brit.	Anglo-Can. Ship. Co.	N. Shields, Eng.	Vancouver, B.C.	Ballast	.....
Comet [1]	6	7	Amer.	Stand. Vacuum Tr'sp.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Brimanger [2]	7	7	Nor.	Interocean S.S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Passengers	.....
Walter A. Luckenbach.	7	7	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	4,010
Dilworth [1]	7	7	Amer.	Shell E.P. Prod. Corp.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Tai Shan [2]	7	7	Amer.	Barber Line	New York, N.Y.	Shanghai, China.	General	2,088
Franz Klasen [1] [2]	7	7	Danz.	W. Tankschiff Rhed'i.	Hamburg, Ger.	Talara, Peru	Ballast	.....
Marore	7	7	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Trimountain [1]	7	8	Amer.	Home Oil Co.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	.....
Golden Mountain.	7	8	Amer.	Williams S.S. Line	Baltimore, Md.	Seattle, Wash.	General	2,143
California	8	8	Amer.	Panama Pacific Line.	New York, N.Y.	S. Francisco, Cal.	General	2,584
Silvercypress [2]	8	8	Brit.	Kerr S.S. Co.	Philadelphia, Pa.	Hongkong, China	General	2,144
Mercury Sun [1] [2]	8	8	Amer.	Shell Oil Co.	Perth A'boy, N.J.	Los Angeles, Cal.	Ballast	.....
Gothicstar	8	8	Brit.	Blue Star Line	Newcastle, Eng.	Vancouver, B.C.	Ballast	.....
Trafalgar	8	8	Brit.	Chilean Nitrate Co.	Newp't News, Va.	Ant'fagasta, Chile	Ballast	.....
Steel Age	8	8	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Honolulu, T.H.	General	761
Reginolite [1] [2]	8	8	Brit.	Imperial Oil Co.	Montreal, Canada	Talara, Peru	Ballast	.....
Remuera	8	9	Brit.	N.Z. Shipping Co.	London, Eng.	Auckland, N.Z.	General	2,564
Balboa [2]	8	9	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B.C.	General	1,891
Salvador	2	9	Brit.	Pacific Steam Nav.Co.	Cristobal, C.Z.	Champ'ico, Guat.	General	550
San Pedro	8	9	Amer.	Dawnic S.S. Corp.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
W. S. Rheem [1]	8	9	Amer.	Sun Oil Co.	Marcus Hook, Pa.	Los Angeles, Cal.	Ballast	.....
Maron [2]	9	9	Brit.	Alfred Holt & Co.	Boston, Mass.	Shanghai, China.	General	4,591
Canadian Cruiser.	9	10	Brit.	Can. Nat. Steamships	Montreal, Canada	Lyttleton, N. Z.	Paper, cars.	3,753
Democracy	9	9	Amer.	Nelson S.S. Co.	Albany, N.Y.	Seattle, Wash.	([15])	3,772
Edwin Christenson.	9	9	Amer.	Sudden & Christenson	Jacksonville, Fla.	Seattle, Wash.	General	4,075
Kentuckian	9	9	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,384
Ciport [5]	...	...	Amer.	Max Bilgray	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Real [3]	9	10	Pan.	Hans Elliot	Cristobal, C.Z.	Pto. Arm'les, R.P.	Gen., mules.	24
Santa Rosa	9	10	Amer.	Panama Mail S.S. Co.	New York, N.Y.	Seattle, Wash.	General	3,317
Nosa Chief	9	10	Amer.	N.O. & S.A.S.S. Co.	New Orleans, La.	B'ventura, Col.	Pipe fittings.	2,122
Hellenic	9	10	Swed.	Transatlantic S.S. Co.	Montreal, Canada	Vancouver, B.C.	Ballast	.....
Yuri Maru	9	10	Jap.	Kokusai Kisen Kaisha	Norfolk, Va.	Yokohama, Japan	([16])	6,567
Peter Hurll [1] [2]	9	10	Danz.	W. Tankschiff Rhed'i.	Havre, France	Talara, Peru	Ballast	.....
Svealand [2]	10	10	Swed.	Ore S.S. Corp.	Sparrows Pt., Md.	Cruz Gr'de, Chile.	Ballast	.....
Point Lobos	10	10	Amer.	Gulf-Pac. Mail Line	Lake Charles, La.	Vancouver, B.C.	General	5,460
Nuevo Panama [2]	9	10	Pan.	Hans Elliot	Cristobal, C.Z.	B'ventura, Col.	General	150
W.S. Miller [1]	10	10	Amer.	Shell Oil Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast	.....
Santa Olivia	10	11	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	Ballast	.....
Canadian Farmer.	10	11	Brit.	Gr't Lakes Inter.Line.	Montreal, Canada	Vancouver, B.C.	General	1,650

[1] Tanker. [2] Motor ship. [3] Motor schooner. [4] Tug. [5] Launch. [10] Mine sweeper. [11] Mine planter.
[13] Crane. [14] General and 25 mules. [15] Paper, cars, general. [16] Scrap iron, cotton, spelter.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
H.M. Storey [1]	11	11	Amer.	James B.Berry & Sons	Tiverton, R.I.	S. Francisco, Cal.	Ballast	.....
Athelsultan [1 2]	11	11	Brit.	Mitsubishi Oil Co.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	.....
William A. McKenney.	11	11	Amer.	McCormick S.S. Co.	Norfolk, Va.	Tacoma, Wash.	General	3,627
City of Singapore.	11	12	Brit.	Ellerman-Hall Line	Philadelphia, Pa.	Sydney, Australia	General	7,296
Tatsuano Maru	11	11	Jap.	Nippon Yusen Kaisha	Philadelphia, Pa.	Kobe, Japan	(14)	7,232
Portland [2]	10	11	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	4,185
Bennekom	11	11	Neth.	Royal Neth. S.S. Co.	Hamburg, Ger.	Corral, Chile	General	1,492
Point Chico	11	11	Amer.	Swayne & Hoyt	Houston, Texas.	Seattle, Wash.	(15)	5,656
Manizales	2	11	Ger.	North German Lloyd.	Cristobal, C.Z.	Guayaquil,Ecuad	General	226
Steel Navigator	11	12	Amer.	Isthmian S.S. Lines	New Orleans, La.	Singapore, St.Set.	General	6,159
Indianapolis [12]	11	15	Amer.	U.S. Navy	Annapolis, Md.	San Diego, Cal.	Ballast	.....
Cortona	12	12	Brit.	Donaldson Line	Glasgow, Scot.	Vancouver, B.C.	General	1,271
Kirsten Maersk	12	13	Dan.	Isbrandtsen Moller	Pto.Cabello, Ven.	Salaverry, Peru	Ballast	.....
Amasis	12	13	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	2,763
Armadale [2]	12	13	Brit.	Australian-Amer.Line.	Philadelphia, Pa.	Fremantle, Aust.	General	2,680
Iowan	13	13	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,601
Fresno Star	13	13	Brit.	Blue Star Line	Liverpool, Eng.	Vancouver, B.C.	Ballast	.....
Buffalo Bridge	13	13	Amer.	Girdwood Ship. Co.	New Orleans, La.	S. Francisco, Cal.	General	3,522
Leuna	13	14	Ger.	Hamburg-Amer. Line.	Philadelphia, Pa.	Vancouver, B.C.	Ballast	.....
Steel Inventor	13	14	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Seattle, Wash.	Steel, gen.	4,985
Invercorrie [1]	14	14	Venez.	Lago Petroleum Co.	San Nic'as,D.W.I	B'ventura, Col.	Gasoline	1,063
Coptic [2]	13	14	Brit.	Shaw, Savill & Albion	London, Eng.	Timaru, N.Z.	General	3,455
San Julian	14	15	Amer.	Quaker S.S. Line	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	.....
Falsterbo [2]	14	14	Swed.	Inter. Freighting Co.	Baltimore, Md.	Ant'fagasta,Chile	Ballast	.....
San Bruno	14	15	Pan.	United Fruit Co.	Boston, Mass.	Pto. Arm'les,R.P.	Ballast	.....
Paul Luckenbach.	14	14	Amer.	Luckenbach Line	Providence, R.I.	Tacoma, Wash.	General	4,042
Peter Kerr	14	14	Amer.	Quaker Line	Albany, N.Y.	Seattle, Wash.	General	2,873
Berganger [2]	14	15	Nor.	Interocean Line	Rotterdam,Neth.	Vancouver, B.C.	Passengers	.....
Daylight [1 2]	14	15	Amer.	Stand. Vacuum Tr'sp.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
President Hayes	15	15	Amer.	Dollar Line	New York, N.Y.	Bombay, India	General	3,121
Lica Maersk	15	15	Dan.	A.P. Moller	Philadelphia, Pa.	Yavaros, Mex.	Ballast	.....
Amerikaland [2]	15	15	Swed.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Santa Maria [2]	14	15	Amer.	Grace Line	New York, N.Y.	SanAntonio,Chile	General	2,939
Santa Elisa	14	16	Amer.	Panama Mail S.S.Co.	New York, N.Y.	S. Francisco, Cal.	Steel, gen.	2,200
Ville de Verdun	15	15	Fr.	Messageries Marit'es	Marseille, France	Noumea,N.Caled.	General	966
Sambu [3]	12	15	Pan.	Hans Elliot	Cristobal, C.Z.	Pto.Arm'les,R.P.	Gen., mules	28
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Nebraskan	16	16	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	7,662
Santa Clara	16	16	Amer.	Grace Line	SanAntonio,Chile	New York, N.Y.	General	3,711
Nitro	16	17	Amer.	U.S. Navy	Puget S'd, Wash.	Norfolk, Va.	Naval stores.	1,084
Belfast Maru	17	17	Jap.	Kawasaki Dock Co.	Shanghai, China.	Galveston, Tex.	General	2,470
Villanger [2]	17	17	Nor.	Interocean S.S. Corp.	Vancouver, B.C.	Rotterdam, Neth	(16)	6,751
Felix Taussig	17	17	Amer.	McCormick S.S. Co.	Tacoma, Wash.	Philadelphia, Pa.	Lumber, gen.	7,079
Masunda	17	18	Brit.	McLay & McIntyre	Vancouver, B.C.	Liverpool, Eng.	Lumber	7,160
Susan V. Luckenbach.	18	18	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	6,847
San Anselmo	18	18	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	8,290
Nansenville [2]	18	18	Nor.	Fred Olsen Line	S. Francisco, Cal.	Oslo, Norway	Bulk oil,gen.	5,780
Hanley	18	18	Amer.	Hanley S.S. Co.	Tacoma, Wash.	Boston, Mass.	Lumber	9,632
Antietam [1]	18	18	Amer.	Shell Petroleum Co.	Los Angeles, Cal.	Fall River, Mass.	Naphtha	9,245
Kokkai Maru [2]	18	19	Jap.	Osaka Shosen Kaisha.	Honkgong, China	Baltimore, Md.	General	5,888
Nebraska	18	19	Brit.	Royal Mail Line, Ltd.	Vancouver, B.C.	Rotterdam, Neth	Grain, gen.	6,529
Chiloil [1]	18	19	Amer.	Amer. Tankers Corp.	Los Angeles, Cal.	New York, N.Y.	Gasoline	6,020
Acajutla	18	...	Brit.	Pacific Steam Nav.Co.	Champ'ico,Guat.	Cristobal, C.Z.	(17)	544
Durazzo	19	...	Ger.	Hamburg-Amer. Line.	Guayaquil,Ecuad	Cristobal, C.Z.	General	1,215
E.J. Hooper No.2 [5]	19	...	Amer.	E.J. Hooper	Miraflores, C.Z.	Gatun, C.Z.	(18)	.....
No. 4288 [13]	19	...	Amer.	E.J. Hooper	Miraflores, C.Z.	Gatun, C.Z.	R.R. mater'l	.....
No. 4726 [13]	19	...	Amer.	E.J. Hooper	Miraflores, C.Z.	Gatun, C.Z.	R.R. mater'l	.....
President Wilson.	20	20	Amer.	Dollar Line	S. Francisco, Cal.	New York, N.Y.	General	4,890
Swan No. 34 [4]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
San Benito	20	20	Pan.	United Fruit Co.	Pto. Arm'les,R.P.	Boston, Mass.	Bananas	810
Nuevo Panama [2]	19	21	Pan.	Hans Elliot	B'ventura, Col.	Cristobal, C.Z.	Coffee	139
Silksworth	20	20	Brit.	R.S. Dagliesh	Noumea,N.Caled	Baltimore, Md.	Chrome ore.	7,050
Alamar	20	20	Amer.	Calmar S.S. Corp.	S. Francisco, Cal.	Philadelphia, Pa.	Lumber	7,244
Cadillac [1]	20	20	Brit.	Anglo-Amer. Oil Co.	Los Angeles, Cal.	London, Eng.	Gasoline	15,132
Panaman	20	20	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,994
Beaconlight [1]	20	20	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Baltimore, Md.	Gasoline	8,485
Shohei, Maru [2]	20	21	Jap.	Mitsui & Co.	Iloilo, P.I.	New York, N.Y.	Sugar, silk	7,910
Marore	20	21	Amer.	Ore S.S. Corp.	Cruz Gr'de,Chile.	Baltimore, Md.	Iron ore	21,650
Pan Scandia [1 2]	21	21	Nor.	Standard Ship. Co.	Talara, Peru.	Halifax, N.S.	Crude oil	14,312
Willzipo	21	21	Amer.	Williams S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	10,100

[1] Tanker. [2] Motor ship. [3] Motor schooner. [4] Tug. [5] Launch. [12] Cruiser. [13] Barge. [14] Lubricating oil, cotton, machinery, etc. [15] Steel, corn, oil, etc. [16] Grain, fruit, general. [17] Coffee, hides, wood. [18] Towing barges.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Recherche	21	22	Fr.	French Line	Noumea,N.Caled	Marseilles,France	[14]	3,861
California	21	22	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N.Y.	General	6,323
Mercury Sun [1] [2]	22	22	Amer.	Shell Oil Co	Los Angeles, Cal.	Perth A'boy, N.J.	Gasoline	13,480
Real [2]	22	23	Pan.	Hans Elliot	Darien, R.P.	Cristobal, C.Z.	Bananas	35
Rangitiki [2]	22	23	Brit.	N.Z. Shipping Co	Auckland, N.Z.	London, Eng.	Frozen, gen.	6,909
Solana [2]	22	22	Amer.	Union Oil Co	Los Angeles, Cal.	Tiverton, R.I.	Gasoline	8,640
C.O. Stillman [1] [2]	22	23	Brit.	International Pet. Co.	Talara, Peru	Halifax, N.S.	Crude oil	21,548
West Cactus	23	23	Amer.	McCormick S.S. Co.	Pt. Town'd,Wash	Norfolk, Va.	Lumber,pulp	7,540
Poseidon	23	23	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile	Hamburg, Ger.	General	8,318
W.S. Rheem [1]	23	23	Amer.	Sun Oil Co	Los Angeles, Cal.	Marcus Hook,Pa.	Gasoline	13,893
Justin	23	24	Ger.	North German Lloyd.	Vancouver, B.C.	Bremen, Ger.	General	6,638
Robert Luckenbach.	23	23	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	6,198
Svealand [2]	23	24	Swed.	Ore S.S. Corp	Cruz Gr'de, Chile	Sparrows Pt.,Md	Iron ore	21,652
Omah [6]	...	...	Amer.	J.R. Powell	Balboa, C.Z.	Cristobal, C.Z.	Ballast	.....
Nordpol [2]	23	24	Dan.	W.L. Comyn & Sons.	Port Alice, B.C.	Boston, Mass.	Lumber,pulp	6,532
W.S. Miller [1]	24	24	Amer.	Shell Oil Co	Los Angeles, Cal.	Fall River, Mass.	Gas,kerosene	9,360
H.M. Storey [2]	24	24	Amer.	James B. Berry Sons.	S. Francisco, Cal.	Baltimore, Md.	[15]	16,000
S.A. Perkins	24	24	Amer.	Swayne & Hoyt	Seattle, Wash.	Tampa, Florida.	Gen., lumber	6,041
Texan	24	24	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,525
Gregalia	24	25	Brit.	Donaldson Brothers.	Victoria, B.C.	Glasgow, Scot.	General	3,912
President Herrenschmidt. [1] [2]	24	24	Nor.	Pechelbroon	LaLibertad,Ecua.	Antwerp, Belg.	Crude oil	13,278
Pacific Reliance [2]	24	24	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Glasgow, Scot.	General	7,568
Mariquita [1]	24	25	Venez.	Shell Oil Co	Balboa, C.Z.	Maracaibo,Venez	Ballast	.....
Steel Ranger	25	25	Amer.	Isthmian S.S. Lines.	Kahului, T.H.	Baltimore, Md.	Pineapples	7,107
Real [2]	25	26	Pan.	Hans Elliot	Panama, R.P.	Cristobal, C.Z.	Drums	5
Empire Star	25	26	Brit.	Blue Star Line	Victoria, B.C.	Newcastle, Eng.	Frozen, gen.	5,794
Santa Elisa	25	26	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	General	1,807
Tai Ping Yang [2]	25	26	Pan.	Barber Wilhelmsen.	Manila, P.I.	New York, N.Y.	General	5,274
Elizabeth Kellogg [1]	25	26	Amer.	Kellogg S.S. Corp.	Manila, P.I.	New York,N.Y.	Wood, oil	6,700
Cambridge	25	26	Brit.	Fed. Steam Nav. Co.	Lyttleton, N.Z.	London, Eng.	Frozen, gen.	7,170
Mobile City	25	26	Amer.	Isthmian S.S. Lines.	Portland, Oreg.	Bridgeport, Conn	Lumber	6,651
Cali	26	28	Ger.	North German Lloyd.	Guayaquil,Ecuad	Cristobal, C.Z.	General	1,094
Dalveen	26	26	Brit.	United SteamNav.Co.	Taltal, Chile	Azores [16]	Nitrate	7,680
E.T. Bedford [1] [2]	26	27	Amer.	Standard Ship. Co.	Talara, Peru	Montreal, Can.	Crude oil	15,156
Langleegorse	27	27	Brit.	Chilean Nitrate Corp.	Antofagasta,Chile	Azores [16]	Nitrate	7,650
Hawaiian	27	27	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	5,712
Daylight [1] [2]	27	27	Amer.	Stand. Vacuum Tr'sp.	Los Angeles, Cal.	New York, N.Y.	Gasoline	13,077
Cellina [2]	27	28	Ital.	Nav. Libera Triestina.	Vancouver, B.C.	Venice, Italy	Gen., lumber	8,562
Nuevo Panama [2]	27	28	Pan.	Elliot Ship & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	159
Sveadrott [2]	27	27	Swed.	W.L. Comyn & Sons.	Willapa, Wash.	Antwerp, Belg.	Lumber, gen.	6,283
Helen Whittier	27	28	Amer.	Arrow Line	Portland, Oreg.	New York, N.Y.	Lumber, gen.	7,500
K.I. Luckenbach	28	28	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	5,957
San Marcos	28	28	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,893
Harpoon	28	28	Amer.	Shepard S.S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	9,092
Santa Elena	28	29	Amer.	Grace Line	Seattle, Wash.	New York, N.Y.	Coffee, gen.	5,084
Amerikaland [2]	28	28	Swed.	Ore S.S. Corp	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,650
Henry S. Grove	28	29	Amer.	Argonaut S.S. Line.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	6,800
Knute Nelson [2]	29	29	Nor.	Fred Olsen & Co.	Vancouver, B.C.	Oslo, Norway	General	5,629
Sambu [5]	29	30	Pan.	Hans Elliot	Darien, R.P.	Cristobal, C.Z.	Bananas	26
Lena Luckenbach.	29	29	Amer.	Luckenbach Line	Seattle, Wash.	Mobile, Ala.	Lumber, gen.	6,450
Benledi	29	29	Brit.	Wm. Thompson Co.	N. West'er, B.C.	Middlesboro,Scot	Lumber, gen.	8,123
Lapwing [4]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
S-14 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Santa Inez [2]	28	30	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	[17]	4,102
Ohioan	30	30	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,724
Heranger [2]	30	30	Nor.	Interocean S.S. Corp.	Vancouver, B.C.	Rotterdam,Neth.	General	5,653
Damsterdijk [2]	30	30	Neth.	Holland-Amer. Line.	Vancouver, B.C.	Rotterdam,Neth.	General	9,324
Santa Maria [2]	30	30	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	4,348
Real [2]	30	...	Pan.	Hans Elliot	Panama, R.P.	Cristobal, C.Z.	Ballast	.....
San Francisco [2]	30	31	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	6,233
Eagle No. 58 [14]	25	...	Amer.	U.S. Navy	San Diego, Cal.	Washington, D.C	.....	.....
Emergency Aid	30	30	Amer.	Pac.-Arg.-Brazil Line.	Pt. Gamble,Wash	Buenos Aires,Arg	[18]	7,881
Willkeno	31	31	Amer.	Williams S.S. Corp.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	9,664
Ingola	31	31	Brit.	S.S. Owners Opr. Co.	Santa Is., Peru	Tampa, Fla.	Guano	6,000
Wales Maru	31	31	Jap.	Kawasaki K. Kaisha.	Dairen, Manch.	Norfolk, Va.	General	2,492
Point Reyes	31	1	Amer.	Swayne & Hoyt	Balboa, C.Z.	New Orleans, La.	Ballast	.....
Heffron	31	1	Amer.	Pac. Coast Dir. Line.	Tacoma, Wash.	Boston, Mass.	Lumber	9,574
S-15 [7]	...	1	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
S-16 [7]	...	1	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
S-17 [7]	...	1	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Absaroka	1	2	Amer.	McCormick S.S. Co.	Tacoma, Wash.	Philadelphia, Pa.	Lumber, gen.	8,864
Port Hobart [2]	1	1	Brit.	Com'lth & Dom. Line	Melbourne, Aust.	Glasgow, Scot.	Frozen, gen.	7,311
Nelson Traveler	1	2	Amer.	Charles Nelson Co.	Seattle, Wash.	Albany, N.Y.	Lumber, gen.	6,830
Dryden	1	2	Amer.	Lykes Bros.-Ripley.	Bayang, P.I.	New Orleans, La.	General	7,475
Salvador	1	...	Brit.	Pacific Steam Nav.Co.	Champ'ico, Guat.	Cristobal, C.Z.	General	335
Eisenach	2	2	Ger.	North German Lloyd.	Corral, Chile	Hamburg, Ger.	General	5,620

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [6] Yacht. [7] Submarine. [13] Patrol ship. [14] Copra, cocoa, nickel. [15] Kerosene, furnace oil. [16] For orders. [17] Nitrate, copper, coffee. [18] Lumber, paper, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Arizona [1]	2	3	Amer.	The Texas Co.	Los Angeles, Cal.	New York, N.Y.	Gasoline	6,200
Prince Rupert City.	2	2	Brit.	Reardon Smith Line.	Vancouver, B.C.	Cardiff, Wales	General	7,447
Manizales	2		Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,037
Kinai Maru [2]	2	4	Jap.	Osaka Shosen Kaisha.	Manila, P.I.	Baltimore, Md.	General	6,140
Harry Luckenbach.	3	3	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,911
American	3	3	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	6,100
Vermar	3	3	Amer.	Calmar S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Lumber	7,179
Sun [1] [2]	3	3	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,694
Nuevo Panama [2]	3	4	Pan.	Elliot Ship & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee, gen.	157
Simba [5]			Amer.	N.E. Dillman	Balboa, C.Z.	Gatun, C.Z.	Ballast	
Meton [1]	3	4	Amer.	Shell E. P. Prod Corp.	Los Angeles, Cal.	Perth A'boy, N.J	Gas., naphtha	9,268
San Gil	3	4	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	Philadelphia, Pa.	Bananas	700
Hanau	4	4	Ger.	Hamburg-Amer. Line.	Pisco, Peru	Hamburg, Ger.	General	5,217
Taketoyo Maru	4	4	Jap.	Nippon Yusen Kaisha	Iloilo, P.I.	New York, N.Y.	General	8,934
Caliche [1] [2]	4	4	Amer.	Home Oil Co.	Los Angeles, Cal.	New York, N.Y.	Gasoline	7,768
Trodanger [2]	4	4	Nor.	Interocean Line	Vancouver, B.C.	Rotterdam, Neth.	General	6,920
Canadian Constructor.	4	5	Brit.	Can. Nat. Steamships	Brisbane, Aust.	Montreal, Canada	General	3,413
Jefferson Myers	4	5	Amer.	States S.S. Co.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	8,541
Virginia	4	5	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	7,347
Southern Sun [1] [2]	4	5	Amer.	Sun Oil Co.	Los Angeles, Cal.	Marcus Hook, Pa.	Gasoline	13,605
CressingtonCourt [2]	5	5	Brit.	Canadian Transp. Co.	N.West'ter, B.C.	London, Eng.	Lumber, lead	8,000
Sambu [2]	5	6	Pan.	Hans Elliot	Darien, R.P.	Cristobal, C.Z.	Bananas	24
Pirre [2]	5	6	Pan.	A.A. Valdes	Bayano R., R.P.	Cristobal, C.Z.	Bananas	52
Gertrude Maersk [2]	4	5	Dan.	A.P. Moller	Manila, P.I.	Savannah, Ga.	General	7,509
San Domingo	5	5	Amer.	States S.S. Co	Longview, Wash.	New York, N.Y.	Lumber	5,100
Point Salinas	5	5	Amer.	Swayne & Hoyt	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	6,839
Richmond [12]		5	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
Mallard No. 44 [4]			Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
John Jay	5	6	Amer.	Amer. Tankers Corp.	Olympia, Wash.	Philadelphia, Pa.	Lumber	10,000
Herman F. Whiton	5	6	Amer.	Dutton Lumber Corp.	Tacoma, Wash.	Po'keepsie, N.Y.	Lumber	7,200
Washington [2]	6	7	Fr.	French Line	Seattle, Wash.	Antwerp, Belg.	([25])	8,475
Koll [1] [2]	6	6	Nor.	Standard Ship. Co.	Talara, Peru	So'ampton, Eng.	([26])	14,407
Pacific Ranger [2]	6	6	Brit.	Furness, Withy & Co.	Victoria, B.C.	Manchester, Eng.	General	8,585
Point Ancha	5	6	Amer.	Gulf-Pac. Mail Line.	Powell Riv., B.C.	Lake Charles, La.	General	2,680
Steel Mariner	6	6	Amer.	Isthmian S.S. Lines.	Kahului, T.H.	Baltimore, Md.	([27])	6,789
Virginian	6	6	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,400
No. 5096 [13]			Amer.		Balboa, C.Z.	Miraflores, C.Z.	Ballast	
Trojan Star	6	7	Brit.	Blue Star Line	N. West'er, B.C.	Newcastle, Eng.	Frozen, gen.	5,972
San Vincente	6	7	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,400
Lillian Luckenbach.	7	7	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,492
Cheyenne [1] [2]	7	7	Brit.	Standard Oil Co.	Los Angeles, Cal.	Liverpool, Eng.	Gasoline	12,299
J. H. Senior [1] [2]	7	7	Danz.	Baltic-Amer. Pet. Co.	Talara, Peru	Le Havre, France	Crude oil	16,545
Real [2]	7	9	Pan.	Hans Elliot	Panama, R.P.	Cristobal, C.Z.	Ballast	
Alkmaar	7	8	Neth.	Royal Neth. S.S. Co.	Valparaiso, Chile	Hamburg, Ger.	General	10,946
El Aleto [1] [2]	8	8	Brit.	Anglo-Ecuad. Oil Co.	LaLibertad, Ecua.	Philadelphia, Pa.	Crude oil	10,250
Stensby [2]	8	8	Dan.	Canadian Transp. Co.	Vancouver, B.C.	Dublin, Ireland	Lumber, gen.	5,714
Santa Isabel	7	9	Amer.	Grace Line	Valparaiso, Chile	New York, N.Y.	General	3,182
Santa Teresa	8	9	Amer.	Panama Mail S.S. Co.	S. Francisco, Cal.	New York, N.Y.	Coffee, gen.	3,104
Huguenot [2]	8	8	Amer.	Texas Oil Co.	Los Angeles, Cal.	Pt. Arthur, Tex.	Crude oil	10,267
Canada [2]	8	9	Swed.	Johnson Line	Hawaii	London, Eng.	General	7,527
Kent	8	9	Brit.	Fed. Steam Nav. Co.	Dunedin, N.Z.	London, Eng.	Frozen, gen.	5,646
Parthenia	8	9	Brit.	Donaldson Line	Vancouver, B.C.	Glasgow, Scot.	General	5,685
Eleanor Christenson.	9	9	Amer.	Arrow Line	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	6,612
Este	9	10	Ger.	North German Lloyd.	Vancouver, B.C.	Hamburg, Ger.	General	8,495
Cerigo	9	10	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,144
Nuevo Panama [2]	4	10	Pan.	Elliot Ship & Land Co.	Balboa, C.Z.	Cristobal, C.Z.	Ballast	
Chilore	9	10	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
Birmingham City.	10	10	Amer.	Isthmian S.S. Lines.	Seattle, Wash.	Baltimore, Md.	General	8,204
Montanan	10	10	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Gen., lumber.	7,094
Adventure [5]			Amer.	R.O. Shuey	Balboa, C.Z.	Gatun, C.Z.	Ballast	
Atheldukе [1] [2]	10	11	Brit.	United Molasses Co.	LaLibertad, Ecua.	Le Havre, France	Crude oil	13,214
Mary Ann [14]	5		Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
San Angelo	10	11	Amer.	Quaker Line	Portland, Oreg.	Po'keepsie, N.Y.	Lumber	7,828
Vinland [2]	11	11	Nor.	Scand. S. Pac. Line.	Ant'fagasta, Chile	Liverpool, Eng.	General	7,022
Holystone	11	11	Brit.	Anglo-Can. Ship. Co.	Victoria, B.C.	London, Eng.	Lumber	6,902
Santa Lucia	11	12	Amer.	Grace Line	Seattle, Wash.	Philadelphia, Pa.	Coffee, gen.	3,947
Indra [2]	11	12	Nor.	Knut Knutsen	Valparaiso, Chile	Oslo, Norway	General	6,904
Jacob Luckenbach	11	12	Amer.	Luckenbach Line	Portland, Oreg.	Mobile, Ala.	General	7,699
Sambu [5]	12	15	Pan.	Hans Elliot	Darien, R.P.	Cristobal, C.Z.	Bananas	17
Charles R. McCormick.	12	12	Amer.	McCormick S.S. Co.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	8,055
Victor Ross [1] [2]	12	12	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Le Havre, France	Crude oil	17,051
Abraham Lincoln [2]	12	12	Nor.	Fred Olsen & Co.	Vancouver, B.C.	Oslo, Norway	General	4,926

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [12] Cruiser. [13] Rowboat. [14] Crane boat.
[25] Lumber, wheat, general. [26] Diesel and crude oil. [27] Sugar and pineapples.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Andrea F. Luckenbach.	12	12	Amer..	Luckenbach Line....	Seattle, Wash...	Boston, Mass....	Lumber, gen.	11,923
Kawansai Maru [2].	12	13	Jap...	Osaka Shosen Kaisha.	Manila, P.I.....	Baltimore, Md...	Sugar, gen..	4,594
Santa Barbara [2]..	12	13	Amer..	Grace Line.....	SanAntonio,Chile	New York, N.Y.	General.....	3,033
Katsuragi Maru [2].	12	13	Jap...	Kokusai Kisen Kaisha	Manila, P.I.....	New York, N.Y.	General.....	7,759
Lochkatrine [2].....	13	14	Brit...	Royal Mail Line, Ltd.	Vancouver, B.C..	Rotterdam,Neth.	Gen., lumber	9,252
Archangelos.....	13	13	Greek.	A. Ferrayros.....	Chicama, Peru...	Liverpool, Eng...	Sugar.....	8,013
Tainui.....	13	14	Brit...	Shaw, Savill & Albion	Timaru, N.Z....	London, Eng....	Frozen, gen.	5,125
Real [2].....	12	16	Pan...	Hans Elliot.....	Blaboa, C.Z.....	Cristobal, C.Z...	Ballast.....	.....
Silverwillow [2].....	13	13	Brit...	Silver Java Pac. Line.	Calcutta, India..	New Orleans, La.	Oils, general.	7,171
Barfonn [1] [2].....	13	14	Nor...	Standard Ship. Co...	Talara, Peru.....	Halifax, N.S.....	Crude oil...	13,367
Cape of Good Hope. [2]	13	14	Brit...	Chilean Nitrate Co...	Iquique, Chile...	Azores [13].....	Nirtate.....	7,706
Ciport [5].....	...	13	Amer..	Max Bilgray.....	Balboa, C.Z.....	Cristobal, C.Z...	Ballast.....	.....
Minnesotan.....	13	14	Amer..	Amer.-Hawaiian Line.	Seattle, Wash...	Boston, Mass....	General.....	8,225
Flomar.....	14	14	Amer..	Calmar S.S. Corp....	Portland, Oreg...	Boston, Mass....	Lumber.....	7,200
General W. M. Graham. [11]	...	...	Amer..	U.S. Army.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
Brunswick [1] [2]....	4	15	Pan...	Atlantic Oil Ship. Co.	Auckland, N.Z..	Philadelphia, Pa.	Ballast.....	.....
Willmoto [2].....	14	15	Amer..	Williams S.S. Co.....	Seattle, Wash...	Albany, N.Y....	Lumber, gen.	7,490
Steelore.....	15	15	Amer..	Ore S.S. Corp.....	Cruz Gr'de, Chile	Baltimore, Md..	Iron ore.....	21,652
Muntropic.....	15	15	Amer..	Shepard S.S. Co.....	Seattle, Wash....	Boston, Mass...	Lumber, gen.	7,083
Alabama.....	15	16	Fr....	French Line.....	SanAntonio,Chile	Le Havre, France	General.....	7,142
Forafric [2].....	15	15	Brit...	S.S. Operating Co....	Isla Santa, Peru.	Jacksonville, Fla.	Guano.....	4,600
Annie Johnson [2]..	15	15	Swed..	Johnson Line.....	S. Francisco, Cal.	Goth'burg, Swed.	General.....	5,537
Franz Klasen [1] [2].	15	15	Danz..	Baltic-Amer. Pet. Co.	Talarao, Peru...	Hamburg, Ger...	([14])	16,575
West Nilus.....	15	15	Amer..	McCormick S.S. Co..	Vancouver, B.C..	BuenosAires,Arg.	Lumber, gen.	7,667
Acajutla.....	15	...	Brit...	Pacific Steam Nav.Co.	Champerico,Guat	Cristobal, C.Z...	Coffee, gen..	216

[1] Tanker. [2] Motor ship. [5] Launch. [11] Mine planter. [13] For orders. [14] Gasoline and gas oil.

The First Ship Through the Canal

Inquiry is made occasionally as to which was the first ship to pass through the Panama Canal. The Canal was opened to commerce on August 15, 1914.

The Canal Record of January 7, 1914, reported:

> The first passage of a self-propelling vessel through the Canal from ocean to ocean was effected on the morning of Wednesday, January 7 (1914), when the craneboat *Alex. LaValley*, Captain Carter, formerly engaged in the Atlantic entrance, but recently operating in Culebra Cut, was passed from the Cut through Pedro Miguel and Miraflores Locks to the Pacific entrance. Barges from the Pacific side, passed about in the dredging operations, had previously been handled to the Atlantic side.

On February 1, 1914, the tug *Reliance*, passing through Gatun Locks, completed a voyage around South America; it had sailed from Colon for Balboa via the Strait of Magellan on February 11, 1912, and arrived at Balboa on June 17, 1912.

On May 18, 1914, three barges loaded with sugar transferred to them at Balboa from the steamer *Alaskan* were towed as far as the lower end of Pedro Miguel Locks; and their transit, after a change of towboats, was completed at 9 p.m. on May 19. This was the first handling of cargo through the Canal.

On May 19, 1914, the tug *Mariner* towed two empty barges through the Canal from Cristobal to Balboa, arriving at 6.40 p.m. This was the first direct or continuous voyage of a vessel through the Canal from ocean to ocean.

In anticipation of the opening of the Canal, a test voyage from Cristobal to Balboa was made by the steamship *Cristobal* of the Panama Railroad Steamship Line on August 3, 1914, and a return trip was made on August 4. The *Advance* of the same line was sent from the Atlantic to the Pacific and back as far as Gatun Locks on August 9, 1914, completing the return transit on August 10. The *Panama* made a similar trip on August 11, completing the return transit on August 12. Guest passengers were carried on these trips but no cargo was handled.

The *Ancon* of the Panama Railroad Steamship Line was sent through the Canal from Cristobal to Balboa on August 15, 1914, carrying cargo for transshipment at Balboa and about 200 passengers who were invited by direction of the Secretary of War. This is considered the first transit of an ocean steamship in commercial service. The ship discharged cargo at Balboa and returned through the Canal to Cristobal on August 23.

On August 15, 1914, following the departure of the *Ancon*, transit of the Canal was begun by the steamship *Arizonan* of the American-Hawaiian Line, leaving Cristobal at 10.23 a.m.; this vessel completed transit on the following day, passing Balboa at 4.10 p.m., August 16. The *Arizonan* carried cargo. The yacht *Lasata*, owned by Morgan Adams, started transit through the Canal apparently about 1 p.m., August 15, and completed transit at 5.35 p.m. on the 17th. The steamship *Missourian* of the American-Hawaiian Line, carrying cargo, left Cristobal at 2 p.m. on August 15 and passed Balboa at 11.05 a.m., August 17.

The *Pleiades* transited the Canal on August 16, 1914, from Pacific to Atlantic. She left Balboa at 6.50 a.m. and arrived at Cristobal at 5.30 p.m. the same day. The *Pleiades* was followed by the *Pennsylvanian* of the American-Hawaiian Line, which left Balboa at 9.40 a.m., August 16, and arrived at Cristobal at 8.50 a.m., August 17.

These early transits of seagoing merchant vessels may be summarized as follows:

TEST TRANSITS

Atlantic to Pacific—August 3, *Cristobal;* August 9, *Advance;* August 11, *Panama.*
Pacific to Atlantic—August 4, *Cristobal;* August 9–10, *Advance;* August 11–12, *Panama.*

OPENING VOYAGE

Atlantic to Pacific—Steamship *Ancon*, August 15; return through Canal, August 23.

NORMAL COMMERCIAL TRANSITS

Atlantic to Pacific

Arizonan, began transit August 15 at 10.23 a.m.; arrived at opposite terminal August 16 at 4.10 p.m.
Lasata, began transit August 15 at 1 p.m.; arrived at opposite terminal August 17 at 5.35 p.m.
Missourian, began transit August 15 at 2 p.m.; arrived at opposite terminal August 17, 11.05 a.m.

Pacific to Atlantic

Pleiades, began transit August 16 at 6.30 a.m.; arrived at opposite terminal August 16 at 5.30 p.m.
Pennsylvanian, began transit August 16 at 9.40 a.m.; arrived at opposite terminal August 17 at 8.50 a.m.

From the foregoing it may be stated that the first self-propelling, ocean-going vessel to pass through the Canal was the *La Valley*, completing transit on January 7, 1914; the first passage of commercial cargo was on May 18–19, 1914; the first vessel to make a direct, continuous voyage from ocean to ocean through the Canal was the tug *Mariner* on May 19, 1914; the first regular merchant vessel to transit the Canal in commercial service was the *Ancon* on August 15, 1914; and the first merchant vessel to use the Canal on a voyage between ports beyond the Canal terminals was the *Arizonan* on August 15–16, 1914.

Flood Warning System on Rivers Tributary to Proposed Madden Lake

In 1923, 1931, and 1932 traffic through the Canal was interrupted by floods on the Chagres River during October or November, and it may happen again this year or any year until the Madden Dam across the river at Alhajuela comes into operation and establishes a flood control reservoir. The interruptions to the movement of vessels have been relatively brief and have occurred either from a dangerous current where the waters of the Chagres reach the Canal channel at Gamboa, or from using operating culverts in the locks to supplement the spillways in discharging excess water, thus putting the locks temporarily out of use for the making of lockages.

After the completion of the dam and of the Madden Lake to be impounded behind it, the flow of water down the Chagres to Gatun Lake will be under control. The water in the Madden Lake will be kept at such normal level as will provide a margin for the absorption of flood waters and their controlled discharge. It will not be practicable to keep the Madden Lake so low that a flood could not raise its surface to such height as to make discharges into Gatun Lake necessary; but by a system of flood warnings it will be possible to begin discharging through the sluice gates of Madden Dam in advance of the arrival of flood waters and so spread the necessary entire discharge over a longer period.

The flood warnings are to be given automatically, by electricity, by the ringing of a bell at Alhajuela whenever the water in the upper Chagres, the Pequeni, or the Boqueron Rivers, the principal tributaries to Madden Lake, reach designated levels. A protected float, in a 50-foot tower at a recording station, rising with the level of the river's surface, will actuate a mechanism which will transmit electrical impulses by telegraph cable to the hydrographic office at the dam. Here the rivers' stages will show on a dial and be automatically recorded. With the data at hand on the rivers' heights, calculations can be made as to the flow per second and the times at which the crests of the one, two, or three freshets from as many streams will reach the dam. The discharge necessary to prepare space in the Madden Lake for this water can

then be begun in such time as to make it at a rate which will not cause a dangerous inflow into the Canal. Normally it will be possible to avoid discharging through the spillway of the dam and the penstocks of the hydroelectric station at the dam more than a total of 50,000 cubic feet per second. Such rate of discharge causes a current of not more than four miles per hour in the Canal at Gamboa and will not interfere with navigation through the Canal.

In the flood of November 1932, for example, no more than 50,000 c.f.s. would have been discharged at Madden Dam, studies of the flood have determined, if the dam had been in service; this would have so lessened the task of controlling the level of Gatun Lake as to have made unnecessary the use of lock culverts for wasting water and there would have been no delay to shipping.

The work of installing the electric flood warning system has been in progress during the past three years. It involves two separate phases, one for use during the construction of Madden Dam and the other for flood control after the formation of Madden Lake. The first phase involved the extension of telephone lines from Alhajuela to Indio on the Chagres and Salamanca on the Pequeni and the employment of observers at those stations to give advice of rises on the rivers. This part was completed in the fiscal year 1930 and proved of great value in connection with the floods in November 1931 and October and November 1932. The second phase is the extension of the lines farther up the rivers, to Chico on the Chagres, to Candelaria on the Pequeni, and to Peluca on the Boqueron, a tributary to the Pequeni, and the installation at these stations of automatic transmitters, actuated by floats, which will transit electrical impulses to automatic recorders at Alhajuela. The 38,500 feet of underground cable line to Chico was completed in the fiscal year 1932; the transmitting and recording mechanisms were also then installed but they were found to be unsuited to the conditions, involving transmission over a distance of about 15 miles (about half of which was pole line), subjecting the apparatus to much disturbance by lightning. A different kind of equipment was secured in the fiscal year 1933 and proved to be satisfactory. With the establishment of the automatic station at Chico the observer was removed from Indio.

For the stations at Candelaria and Peluca underground cables were laid during the past year from Salamanca to the sites of the proposed stations. This involved laying about 32,000 feet of 8-conductor cable from Salamanca to a point above the mouth of the Boqueron, about 6,300 feet of 5-conductor cable thence to Peluca and about 10,800 feet of 5-conductor cable from the same point to Candelaria. The work of laying the cables was unusually difficult, due to the rough mountain topography, jungles, weight of reels and lack of transportation. With the filling of the lake, presumably in 1935, underwater cables will be laid from Alhajuela to Salamanca and to Indio and the present overhead telephone lines connecting these points will be removed. The lines installed from Salamanca to Candelaria and Peluca, and from Indio to Chico, are part of the permanent installation. Pending the filling of the lake the automatic devices at Candelaria and Peluca will not be installed and no observer will be stationed there, but an observer will be kept at Salamanca.

Coal

Coal, bunker, Navy Standard Pool No. 1, Pocahontas or New River, is supplied to steamships, including warships of all nations, trimmed in bunkers at $7.25 for run-of-mine and $6.75 for nut and slack at Cristobal, in any proportion desired, and $10.25 at Balboa for run-of-mine only, per ton of 2,240 pounds.

Extra charges are made in accordance with a published tariff for special trimming at the request of the officers of the ship, for galley, lump or run-of-mine coal in sacks, and for delivery, when coal is furnished from lighters or launches away from the coaling piers.

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming.

Coal for cargo is sold under the same conditions and at prices quoted for sale of coal for bunkers.

Provisions Required by Ships

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at reasonable prices. Beef especially is available at low prices.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit.

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Traffic Through the Panama Canal in September 1933

The total vessels of all kinds transiting the Canal during the month of September in the two preceding years and in 1933 are shown in this tabulation:

	September 1931	September 1932	September 1933		
			Atlantic to Pacific	Pacific to Atlantic	Total
Commercial ocean vessels	396	353	214	194	408
Commercial launches (under 20 tons)	6	7	8	8	16
Noncommercial vessels:					
United States Government	26	23	18	15	33
Colombian Government	.....	2	.....	.....	.....
Transiting solely for repairs	2	.....	1	1	2
Total	430	385	241	218	459

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried and tolls collected, from the commercial traffic transiting the Canal each month for the 12-month period ended September 30, 1933, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1931-32	1932-33	1931-32	1932-33	1931-32	1932-33	1931-32	1932-33
October	390	394	2,081,600	1,988,133	1,762,670	1,582,261	$1,823,650.74	$1,714,779.06
November	376	388	2,001,745	2,035,796	1,577,523	1,531,509	1,762,036.19	1,756,865.84
December	387	431	2,033,158	2,080,069	1,648,904	1,621,581	1,757,869.54	1,781,940.03
January	377	415	2,022,275	2,069,218	1,593,585	1,463,503	1,770,250.68	1,762,808.56
February	358	368	1,878,177	1,832,658	1,645,393	1,434,862	1,647,797.06	1,575,708.35
March	363	399	1,864,896	1,989,044	1,643,952	1,738,227	1,645,366.81	1,718,908.41
April	370	370	1,863,692	1,839,597	1,443,731	1,527,978	1,608,634.67	1,554,250.14
May	357	372	1,956,958	1,883,249	1,676,790	1,629,982	1,717,401.26	1,617,943.65
June	336	364	1,743,150	1,901,117	1,404,558	1,691,247	1,534,793.19	1,629,411.28
July	326	401	1,676,492	2,051,128	1,259,981	1,699,039	1,468,728.36	1,732,164.93
August	314	416	1,658,112	2,159,995	1,349,453	1,914,014	1,440,848.87	1,829,754.49
September	353	408	1,868,391	2,096,538	1,347,144	1,797,497	1,598,265.98	1,758,587.41
Total	4,307	4,726	22,648,646	23,926,542	18,353,684	19,631,700	19,775,643.35	20,433,122.15

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States, Panamanian, and Colomban Governments, including merchant vessels chartered by these Governments, and vessels transiting solely for repairs, do not pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Traffic by Nationality of Vessels for September 1933

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	78	419,700	321,918	Japanese	16	93,726	94,519
Danish	11	48,074	37,274	Netherland	5	34,368	30,961
Danzig	7	57,930	66,920	Norwegian	22	117,213	107,912
French	8	47,810	36,539	Panamanian	29	29,283	13,785
German	25	90,030	85,799	Swedish	10	48,105	18,678
Greek	1	4,292	8,013	United States	189	1,079,669	960,725
Honduran	1	48	38	Venezuelan	2	1,448	1,063
Italian	4	24,842	13,353	.....	.....	.....	.....

Traffic by Trade Routes, September 1933

The movement of vessels over trade routes is summarized in the following table. They are classified according to primary origin and ultimate destination of the voyage through the Canal and the cargo listed is the total aboard at time of transit. Cargo may be laden or discharged between the terminal areas indicated, hence in the cargo listed below there may be some which had other origin or destination:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	76	442,366	185,342	74	425,074	565,787
East coast United States and:						
Canada	4	20,252	11,558	1	4,094	2,680
Central America	3	6,575	.....	2	4,263	1,510
South America	20	92,791	13,799	12	56,569	129,564
Balboa	.....	.....	.....	1	2,617	.....
Hawaiian Islands	4	20,220	761	3	16,350	22,733
Australasia	2	11,946	9,976	1	6,450	.....
Philippine Islands	5	30,982	13,111	9	55,101	64,426
Far East	18	95,183	93,073	2	11,381	10,577
Europe and:						
United States	3	18,098	.....	2	11,513	17,836
Canada	23	139,431	34,390	26	151,258	192,329
South America	13	73,203	15,672	23	130,934	213,279
Australasia	6	49,200	25,482	6	46,613	34,646
Far East	.....	.....	.....	1	4,175	7,020
Canadian intercoastal	4	14,138	5,070	2	5,721	9,110
East coast Canada and:						
South America	1	5,513	.....	2	12,783	25,007
Australasia	2	9,657	6,360	3	15,055	13,508
South American intercoastal	3	2,813	649	1	724	.....
East coast South America and:						
Canada	2	9,746	4,675	2	10,144	15,702
Far East	1	7,624	4,384	.....	.....	.....
Cristobal and:						
Central America	6	2,209	1,641	3	2,180	704
South America	6	3,126	1,536	9	4,636	5,502
Balboa	4	164	.....	7	237	231
Central American intercoastal	.....	.....	.....	1	48	38
West Indies and:						
South America	1	724	1,063	.....	.....	.....
Far East	2	10,269	17,300	.....	.....	.....
Around the world	4	39,519	12,295	1	6,524	7,171
Foreign vessels in ballast (U.S. intercoastal)	1	6,345	.....	.....	.....	.....

Origin and Destination of Cargo, by Major Areas

The following table summarizes the origin of cargo passing through the Canal in September 1933 and its destination by major geographical and trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	199,673	7,926	108,816	11,707	9,976	338,098
Other North America	1,740	7,612	17,300	6,217	6,360	39,229
Europe	26,215	7,875	.....	14,391	25,340	73,821
Miscellaneous	5,299	447	724	377	142	6,989
Total	232,927	23,860	126,840	32,692	41,818	458,137

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	561,095	11,584	104,200	7,553	684,432
Canada	2,343	10,855	103,327	4,882	121,407
Other North America	25,223	1,805	1,066	10	28,104
South America	127,073	33,790	212,447	42	373,352
Australasia	2,431	11,179	34,544	.....	48,154
Asia	75,230	1,614	7,020	47	83,911
Total	793,395	70,827	462,604	12,534	1,339,360

Principal Commodities

Commodities which aggregated 10,000 or more tons either during the past month or in the corresponding month in 1932 are listed below:

Commodity	September 1932	September 1933	Commodity	September 1932	September 1933
Atlantic to Pacific	*Long tons*	*Long tons*	*Parific to Atlantic*—Continued	*Long tons*	*Long tons*
Automobiles and accessories	4,831	11,389	Cold storage (food products) [1]	13,239	15,727
Canned goods, various	9,298	11,975	Cotton, raw	9,922	12,113
Corn	12,977	5,354	Flour	8,367	17,291
Cotton	24,921	41,888	Fruit, dried	32,180	26,735
Iron and steel, manufactures of	31,077	89,267	Fruit, fresh	13,949	11,225
Oils, mineral	58,255	35,927	Lumber	110,820	266,067
Tinplate	6,990	10,160	Metals, various	30,191	42,440
Paper	13,375	18,886	Nitrates	.....	56,347
Scrap metal	3,353	20,645	Oils, mineral	241,209	307,187
Sulphur	5,871	10,542	Oils, vegetable	3,595	11,916
			Ores, principally iron	6,938	99,698
Pacific to Atlantic			Sugar	156,644	112,241
Barley	16,960	15,703	Wheat	107,653	64,877
Canned goods, various	120,192	119,350	Wood pulp	9,596	11,883

[1] Does not include fresh fruit.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of September 1933, as reported in the cargo declarations, showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations small items are frequently grouped under the designation of "general cargo"; the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts	.....	2	.....	2
Agricultural implements	528	40	1,882	67
Alfalfa meal	.....	2,256	.....	2,256
Ammonium compounds	174	.....	2,279	6,991
Animal foods [1]	92	827	92	977
Apparel, wearing (hats, shoes, clothing, etc.)	233	.....	272	7
Asbestos	255	.....	864	.....
Asphalt and tar	77	43	411	1,666
Automobiles (and autotrucks)	5,003	40	7,663	43
Automobile parts and accessories	1,116	76	3,726	83
Bags and bagging, textile	333	6	778	57
Bananas	40	.....	40	1,731
Barks, miscellaneous	.....	166	.....	764
Barley	.....	94	6	15,703
Beans, edible, dry	20	3,382	800	6,405
Beer	621	50	656	90
Beverages, nonalcoholic	348	.....	456	.....
Blood and tankage	150	.....	334	.....
Bones and bone meal	.....	.....	220	.....
Books and printed matter	370	.....	379	.....
Borax	48	948	48	5,891
Bran and pollards	.....	.....	210	3,442
Bricks and tile	137	14	167	14
Camphor	.....	.....	.....	55
Canned and preserved goods:				
Fish	382	12,282	633	26,121
Fruit	330	28,601	410	63,707
Meat	.....	371	627	599
Milk	.....	1,441	104	1,622
Soup	5,216	448	5,216	448
Vegetables	754	5,340	773	5,531
Miscellaneous and unclassified	2,861	21,262	4,212	21,322
Carbon black	108	.....	569	.....
Celite	.....	417	.....	442
Cement	456	.....	5,369	.....
Chalk	.....	.....	797	.....
Charcoal	39	36	39	36

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Chemicals [1]	3,756	937	6,588	1,978
Clay, china and fire	412	87	1,589	87
Coal	2,928	.....	2,958	.....
Cocoa and cacao beans	.....	.....	224	361
Coconuts and products [1]	118	450	118	732
Coffee	344	30	3,742	7,637
Coke	.....	.....	5,288	.....
Cold storage and refrigerated products:				
Dairy products	47	.....	165	4,135
Eggs	.....	305	.....	333
Fish	39	18	77	564
Lard	32	.....	104	.....
Meats	26	.....	69	10,271
Poultry	.....	8	.....	8
Vegetables	.....	108	.....	183
Other and unclassified	.....	.....	3	233
Confectionery	824	.....	833	21
Copra	.....	.....	.....	7,569
Copra meal and cake	.....	.....	.....	2,002
Corn	5,354	.....	5,354	.....
Cotton, raw	486	325	41,888	12,113
Drugs and medicines	1,458	141	1,560	204
Dyes	.....	.....	11	.....
Earthenware	38	.....	171	224
Eggs, dried	.....	28	.....	28
Electrical apparatus and appliances	739	35	823	44
Explosives	33	.....	633	.....
Extract, quebracho	.....	.....	417	.....
Fertilizers [1]	112	.....	1,933	.....
Fish, salted or dry cured	55	.....	55	303
Fish meal	.....	.....	.....	2,425
Floor coverings	1,199	290	1,264	295
Flour	208	14,206	1,334	17,291
Fruit, dried	.....	16,425	180	26,735
Fruit, fresh [1]	27	2,617	27	11,225
Furniture and household goods	683	187	731	227
General	23,768	8,304	49,861	16,605
Glass and glassware	2,664	83	3,992	328
Glue	120	134	120	143
Groceries	1,849	44	2,228	129
Guano	.....	.....	.....	4,600
Gums	.....	50	.....	237
Hair, all kinds	37	27	37	27
Hay	.....	498	.....	498
Hemp, unmanufactured	.....	74	.....	1,862
Honey	.....	186	90	282
Horns and hoofs	.....	.....	37	36
Infusorial earth	.....	849	.....	988
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	61,798	1,124	89,267	1,150
Ivory nuts	.....	.....	.....	3,148
Jute, unmanufactured	150	.....	186	108
Lard substitute	.....	.....	16	.....
Liquors	124	138	651	534
Lumber (including manufactured mill products)	2,501	188,826	3,074	266,067
Machinery	2,740	180	5,715	258
Malt	.....	.....	584	.....
Manufactured goods [1]	7,530	917	10,035	2,076
Marble and granite	20	27	60	27
Matches	1,014	195	1,069	444
Metals:				
Antimony	.....	27	.....	266
Copper	.....	5,680	5	26,996
Gold and silver	.....	.....	159	78
Iron	741	.....	1,078	.....
Lead	15	1,646	36	9,415
Tin	28	115	31	724
Zinc	158	.....	792	4,063
Other and unclassified	.....	244	.....	898
Milk, powdered	.....	337	132	379
Molasses and syrups	326	.....	326	.....
Nitrates	3,589	.....	4,676	56,347
Nuts, edible (including meats)	36	450	138	1,278
Oats	.....	138	31	468
Oils, mineral:				
Crude	120	10,267	135	115,921
Gas and fuel	359	12,288	359	26,024
Gasoline, benzine, and naphtha	24	133,313	1,305	157,991
Kerosene	8,824	5,935	19,624	6,474
Lubricating and greases	8,932	498	14,504	777

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Oils, vegetable:				
Coconut	.....	.....	.....	5,151
Cottonseed	3,459	.....	3,459	2
Linseed	139	.....	161	.....
Olive	.....	22	330	22
Rapeseed	.....	10	.....	433
Wood	.....	31	.....	1,975
Other and unclassified	202	496	379	4,333
Oil, fish	11	870	11	925
Oil, whale	.....	.....	14	.....
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	.....	121	300	676
Oilseed cake and meal	268	86	268	6,849
Ores:				
Antimony	.....	.....	.....	182
Copper	17	.....	17	3,560
Gold and silver	.....	.....	.....	170
Iron	.....	.....	64	86,656
Lead	.....	.....	.....	2,088
Magnesite	.....	903	.....	903
Manganese	108	.....	108	.....
Tin	.....	108	.....	3,195
Zinc	23	.....	23	2,630
Other and unclassified	31	.....	1,111	314
Paints and varnishes	525	68	794	81
Paper and paper products [1]	5,822	4,907	18,886	8,173
Paper scrap	40	680	452	680
Peanuts	300	72	300	149
Peas, dry	.....	22	.....	611
Peatmoss	.....	.....	585	.....
Phosphates	67	465	7,685	465
Porcelainware	49	106	113	4,186
Potash	.....	1,726	.....	1,726
Pyrethrum flowers	.....	.....	.....	416
Rags and waste	480	322	932	1,114
Railroad material	416	.....	3,079	.....
Rice	261	814	261	5,741
Rope and twine	81	81	110	94
Rosin	1,079	.....	3,284	.....
Rubber:				
Manufactured	546	.....	907	148
Raw	.....	.....	.....	472
Scrap	.....	82	110	114
Salt	365	.....	7,259	53
Sand	2,350	.....	3,571	.....
Scrap metal	309	231	20,645	327
Seeds (except oilseeds)	76	395	394	551
Shells, oyster	407	.....	407	.....
Silk, raw	.....	1,051	.....	2,702
Skins and hides	.....	1,058	140	5,072
Slag	117	.....	1,217	.....
Slate	454	.....	454	.....
Soaps and products	1,340	358	1,457	655
Soda and sodium compounds	1,218	.....	2,174	142
Sugar	.....	24,736	6,542	112,241
Sulphur	5,028	.....	10,542	102
Talc	.....	101	.....	109
Tallow	.....	.....	.....	1,820
Tea	.....	11	.....	2,632
Textiles [2]	4,436	79	6,756	1,360
Tinplate	1,873	113	10,160	169
Tobacco and manufactures	807	69	8,278	104
Toilet preparations	140	15	140	120
Turpentine	111	.....	131	.....
Vegetables, dry [1]	.....	20	25	30
Wall board	127	200	178	488
Wax, paraffin	152	.....	1,251	25
Wheat	.....	20,318	500	64,877
Wines	.....	326	441	1,465
Wood pulp	346	9,313	3,191	11,883
Wool	17	3,776	17	7,253
Total, September 1933	199,673	561,095	458,137	1,339,360
Total, September 1932	113,667	398,918	335,984	1,011,160
Total, September 1931	183,375	507,674	481,229	1,273,626

[1] Except as otherwise classified. [2] Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during September 1933, classified according to trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	23	143,741	[1] 12,640	16	88,666	[2] 162,748
East coast United States and South America	3	20,047	.....	1	5,049	10,250
United States and Hawaiian Islands	1	4,286	.....	.....	.....	.....
United States and Australasia	.....	.....	.....	1	6,450	.....
East coast Canada and South America	1	5,513	.....	2	12,783	25,007
South American intercoastal	.....	.....	.....	1	724	.....
West Indies and South America	1	724	1,063	.....	.....	.....
West Indies and Far East	1	5,739	10,800	.....	.....	.....
Europe and United States	2	12,674	.....	1	6,594	12,299
Europe and South America	3	20,673	.....	6	46,506	94,541
Total	35	213,397	24,503	28	166,772	304,845

[1] Includes 3,444 tons cottonseed oil. [2] 922 tons discharged at Cristobal.

Comparison of Canal Traffic in September 1933, with September Traffic in Previous Years

Calendar year	Month of September			Fiscal year	Average per month for fiscal year		
	Commercial transits	Panama Canal net tonnage	Tons of cargo		Commercial transits	Panama Canal net tonnage	Tons of cargo
1914	[1] 56	217,527	323,094	1915	[2] 102	361,197	465,567
1915	101	350,291	464,647	1916	63	199,687	257,843
1916	153	503,645	645,046	1917	150	483,213	588,213
1917	188	573,166	724,172	1918	172	547,839	627,669
1918	179	523,341	548,489	1919	169	510,416	576,385
1919	170	586,186	638,270	1920	206	712,170	781,208
1920	256	1,008,785	1,009,557	1921	241	951,323	966,601
1921	221	925,137	754,894	1922	228	951,455	907,075
1922	240	1,070,410	1,138,188	1923	331	1,550,482	1,630,656
1923	413	2,044,552	2,168,703	1924	436	2,179,073	2,249,559
1924	395	1,976,213	2,112,264	1925	389	1,904,596	1,996,570
1925	388	1,831,039	1,891,988	1926	433	2,064,549	2,169,787
1926	446	2,186,804	2,239,547	1927	456	2,185,651	2,312,351
1927	540	2,532,942	2,397,753	1928	538	2,454,886	2,469,226
1928	487	2,295,053	2,313,011	1929	534	2,468,483	2,555,250
1929	523	2,425,261	2,432,783	1930	515	2,498,385	2,502,519
1930	458	2,314,424	2,059,582	1931	461	2,316,012	2,090,233
1931	396	2,070,873	1,754,855	1932	376	1,968,785	1,650,667
1932	353	1,868,391	1,347,144	1933	375	1,901,823	1,514,811
1933	408	2,096,538	1,797,497	([3])	390	1,980,283	1,655,150

[1] Canal opened August 15, 1914. [2] Average for 10½ months of fiscal year ended June 30, 1915.
[3] Average for first 9 months of calendar year 1933.

Terminal Activities

Ships repaired during the month of September 1933, numbered 43, including 7 which were drydocked. Fuel oil in the quantity of 251,274 barrels was delivered as bunkers to 84 commercial vessels. Bunker coal amounting to 3,039 tons was delivered to 13 vessels. Sales of commissary supplies to ships aggregated $34,149.65.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving ... tons	23,469	23,766	47,235
Local cargo shipped ... tons	5,657	460	6,117
Cargo received for transshipment ... tons	26,124	1,384	27,508
Cargo transshipped ... tons	25,505	1,395	26,900
"Canal Zone for Orders" cargo:			
Number of receipts issued	99	40	139
Number of releases issued	817	291	1,108
Tons received	721	247	968
Tons withdrawn	734	299	1,033

All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
Ships entering						
All vessels, including those transiting Canal..	458	2,953,256	1,770,021	418	2,652,668	1,597,537
Vessels entering port but not transiting Canal	63	373,687	209,568	12	52,744	29,080
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	120	799,419	473,490	96	674,094	404,652
Ships clearing						
All vessels, including those transiting Canal..	453	2,926,120	1,753,470	421	2,652,033	1,598,829
Vessels clearing port but not transiting Canal.	60	359,104	201,381	13	58,153	32,462
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	118	790,280	467,916	97	673,000	397,907

Cargo Discharged and Laden in Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, September 15, 1933, to midnight, October 15, 1933. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Santa Maria, 210, 666; Santa Elisa, 48, 594; President Hayes, 1, 0; Peten, 138, 60; Alabama, 147, 0; Fella, 85, 0; Tivives, 471, 0; Tivives, 0, 366; Alabama, 0, 211½; Laurits Swenson, 1½, 0; Nuevo Panama, 183, 137; Reina del Pacifico, 93, 421; Pastores, 125, 151; Santa Marta, 539, 144; Acajutla, 248, 335; Real, 0, 40; Hokkai Maru, ½, 0; President Taft, 471, 0; Cerigo, 71, 299; Rhein, 214, 6; Cali, 860, 718; Guayaquil, 0, 492; Peten, 30, 483; San Bruno, 8, 0; Rialto, 0, 31; Oakland, 51, 260; Caribia, 26, 362; Potter, 244, 0; Cefalu, 137, 813; San Diego, 238, 44; Santa Rita, 882, 51; Venezuela, 85, 3; Los Angeles, 266, 187; Wayfarer, 276, 0; Lochgoil, 105, 16; Wisconsin, 64, 4; Sveajarl, 69, 0; Baarn, 272, 64; President Pierce, 1, 0; Virginia, 0, 1; Camden, 7,355, 0; Velma Lykes, 385, 70; Zacapa, 483, 201; Orazio, 63, 1; Mary V., 1, 0; Santa Cecilia, 286, 58; Veragua, 360, 212; Pearl Marie, 0, 17; Venezuela, 1, 197; Tai Ping, 660, 0; Nuevo Panama, 225, 271; Santa Elena, 347, 247; Calamares, 401, 140; Colombia, 25, 257; Cristobal, 1,803, 884; Durazzo, 1,183, 477; Santa Inez, 0, 553; Winroth, 1,393, 0; Veragua, 50, 700; Delftdijk, 1, 10½; Hamm, 131, 0; Real, 38, 0; San Anselmo, 202, 0; Santa Paula, 183, 291; Contessa, 192, 551; Santa Clara, 820, 0; Colombie, 101, 677; Granville, 0, 170; Montreal Maru, 267, 0; Canadian Highlander, 6, 489; Lagarto, 0, 35; Daytonian, 244, 19; Axel Johnson, 130, 0; Santa Teresa, 90, 335; Santa Barbara, 163, 318; Buenaventura, 911, 502; Vancouver, 16, 226; Quirigua, 305, 74; Alda, 319, 457; Abangarez, 543, 77; Nuevo Panama, 228, 130; Manizales, 876, 475; Osiris, 85, 12; Tokai Maru, 476, 26; Metapan, 698, 123; Haiti, 37, 288; Costa Rica, 109, 1; Salvador, 132, 584; West Cactus, 0, 137; Barneveld, 18, 209; Virgilio, 129, 104; Tacoma, 110, 436; Quirigua, 80, 338; San Gil, 1, 0; Drechtdijk, 158, 0; Canadian Scottish, 10, 0; Cefalu, 328, 663; Oregon, 118, 11; Ancon, 1,559, 586; San Marcos, 420, 0; Cerigo, 735, 0; Troja, 54, 92; Pennsylvania, 0, 6; Peten, 209, 6; Europa, 10, 17; Santa Isabel, 5, 459; Stella Lykes, 406, 136; Pastores, 13, 353; Santa Ana, 466, 124; Santa Marta, 306, 316; Santa Lucia, 312, 115; Turrialba, 676, 228; Nuevo Panama, 241, 61; Nansenville, 132, 0; Costa Rica, 1¼, 339; Atago Maru, 165, 0; Asuka Maru, 169, 0; Santa Olivia, 691, 0; West Ivis, 180, 0; Peten, 22, 234¾; Charles Nelson, 143, 0; Cordillera, 151, 5; Durazzo, 519, 361; Winnipeg, 306, 411; Santa Rosa, 251, 24; Seattle, 231, 320; Contessa, 172, 555; Lobos, 36, 106; Lochmonar, 0, 45; Kirishima Maru, 194, 0; Nankai Maru, 489, 23; Dakarian, 257, 0; Santa Maria, 450, 0; Nosa Chief, 37, 0; City of Elwood, 128, 0; Guayaquil, 981, 471; Havel, 80, 356; Flandre, 85, 282; Real, 0, 63; Santa Cecilia, 189, 413; Santa Clara, 80, 532½; Canadian Constructor, 0, 4; Veragua, 486, 186; Spreewald, 3, 562; Bodegraven, 261, 89; Reina del Pacifico, 36, 0; Sixaola, 614, 171; California, 0, 287; Feltre, 39, 0; Nuevo Panama, 232, 124; Minden, 17, 46; Cali, 838, 307; Acajutla, 82, 0; Calamares, 287, 169; Colombia, 164, 468; Margaret Johnson, 0, 50; Manuel Arnus, ½, 0; President Pierce, 532, 0; Magallanes, 118, 0.

BALBOA

Ludington, 860, 0; Santa Maria, 0, 10; Santa Elisa, 64, 60; President Hayes, 0, 1; Potter, 339, 0; Antigua, 178, 63; West Camargo, 110, 0; Henderson, 13, 6; Santa Rita, 483 pounds, 0; Deroche, 9, 0; Virginia, 10, 16; Durazzo, 299 pounds, 0; Tai Ping, 117, 0; Santa Cecilia, 3, 29; Talamanca, 245, 45; Santa Inez, 0, 13; Santa Elena, 243, 1; Santa Paula, 317, 0; Santa Clara, 26, 0; Santa Barbara, 90, 64; Santa Teresa, 28, 289; Salvador, 8, 0; Wright, 10, 0; Chiriqui, 1,892, 51; California, 5, 11; Mataroa, 29, 0; Ohioan, 10, 0; Cuzco, 705, 0; Pennsylvania, 25, 3; Salvador, 0, 2; Santa Ana, 11, 60; Nansenville, 460, 0; Tai Ping Yang, 10, 0; Santa Olivia, 100 pounds, 0; Santa Lucia, 92, 2; Santa Isabel, 0, 500 pounds; Vega, 3, 0; Santa Rosa, 109, 24; Los Angeles, 8, 0; Santa Maria, 56, 187; City of Elwood, 113, 0; San Blas, 0, 18; Acajutla, 1, 0; Havel, 112, 0; Santa Clara, 111, 56; President Monroe, 2, 2; Santa Cecilia, 84, 3; Sirius, 248 pounds, 0; Cali 111, 0; Antigua, 404, 52.

Passengers

Ocean ship passengers disembarking at Cristobal numbered 1,969; embarking, 1,037; at Balboa, 812 disembarking and 865 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 4,398; from the Pacific to the Atlantic, 1,896. Aircraft numbering 42 entered Cristobal and 72 passengers disembarked; clearances were 42, with 79 passengers embarking. One aircraft entered Balboa, discharging 3 passengers; one aircraft cleared with no passengers embarking.

Movements of Ocean Vessels Through the Panama Canal
From midnight September 15, to midnight October 15, 1933

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Fella [2]	15	16	Ital...	Nav. Lib. Triestina..	Venice, Italy....	Vancouver, B.C..	General.....	2,660
West Camargo...	15	21	Amer..	McCormick S.S. Co..	Rosario, Arg.....	Vancouver, B.C..	([13])	3,345
New Jersey [1].....	15	16	Amer..	The Texas Co.....	Pt. Arthur, Tex..	Los Angeles, Cal.	([14])	9,196
Laurits Swenson. [2]	16	16	Nor...	Fred Olsen & Co	Porsgrunn, Nor..	Vancouver, B.C..	General.....	2,900
Marsodak.... ...	16	16	Amer..	Luckenbach Gulf Co.	Mobile, Ala.....	S. Francisco, Cal.	General.....	2,800
Californian [2].....	16	16	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Portland, Oreg...	General.....	2,860
Real [3].....	13	17	Pan...	Hans Elliot.....	Cristobal, C.Z...	Pto. Arm'les,R.P.	Gen., mules.	24
France Maru.....	17	17	Jap...	Kokusai Kisen Kaisha	Port Tampa, Fla.	Osaka, Japan....	General.....	7,112
Canadian Conqueror.	17	17	Brit...	Can. Nat. Steamships.	Montreal,Canada	Sydney, Aust'lia.	General.....	2,607
Calmar.....	17	17	Amer..	Calmar Line.....	Baltimore, Md...	Seattle, Wash....	Steel, gen...	7,510
Hokkai Maru [2]...	17	17	Jap...	Osaka Shosen Kaisha.	Boston, Mass....	Shanghai, China.	General.....	6,198
Tweedbank [2].....	17	17	Brit...	Andrew Weir & Co...	Baltimore, Md...	Shanghai, China.	General.....	2,890
Silksworth.....	17	17	Brit...	Chilean Nitrates Co..	Baltimore, Md...	Iquique, Chile...	Ballast.....	.....
Nuevo Panama [2]..	16	17	Pan...	Hans Elliott.....	Cristobal, C.Z....	B'ventura, Col...	General.....	150
Reina del Pacifico [2]	16	17	Brit...	Pacific Steam Nav.Co	Liverpool, Eng..	Talcahuano,Chile	General.....	2,178
Normanstar.....	17	18	Brit...	Blue Star Line.....	Newcastle, Eng.	Portland, Oreg...	Ballast.....	.....
Bretagne [2].....	17	18	Dan...	Inter. Freighting Co..	Baltimore, Md...	Valparaiso, Chile.	Steel.....	5,109
John Antle [6].....	16	...	Brit...	G. H. Radcliffe.....	London, Eng.....	Vancouver, B.C..	Ballast.....	.....
Brandanger [2].....	17	18	Nor...	General S.S. Corp....	BuenosAires,Arg.	Vancouver, B.C..	General.....	1,330
Willboro.....	18	18	Amer..	Amer.-Hawaiian Line.	Baltimore, Md..	Seattle, Wash....	General.....	2,060
Aase Maersk [1] [2]..	18	18	Dan...	A. P. Moller.....	Falmouth, Eng..	Capa Bl'ca, Peru.	Ballast.....	.....
Cerigo.....	17	18	Ger...	Hamburg-Amer. Line.	Cartagena, Col..	Guayaquil,Ecuad.	Coffee, gen...	366
J-26 [5].....	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	Gatun, C.Z.....	Ballast.....	.....
Gen. Wm. M. Graham. [11]	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Henderson [8].....	18	21	Amer..	U.S. Navy.....	Norfolk, Va.....	Seattle, Wash....	Naval stores.	621
Edgar F. Luckenbach.	18	19	Amer..	Luckenbach Gulf Co.	Houston, Texas..	Tacoma, Wash..	General.....	6,200
Sage Brush.....	19	19	Amer..	Shephard S.S. Co....	Boston, Mass....	Seattle, Wash...	General.....	4,570
Sketaas [1] [2].....	19	19	Nor...	Anglo-Saxon Pet. Co.	Pauillac, France.	Los Angeles, Cal.	Ballast.....	.....
Pacific Shipper [2]..	19	19	Brit...	Furness Withy & Co.	Manchester, Eng.	Vancouver, B.C.	General.....	601
Hanley.....	19	19	Amer..	Pac. Coast DirectLine	Boston, Mass....	Tacoma, Wash..	Steel, gen...	1,298
Ferncliff [2].....	19	20	Nor...	Fern Line.....	New Orleans, La.	Shanghai, China.	General.....	4,402
Gen. Wm. M. Graham. [11]	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	PedroMiguel,C.Z.	([15])	.....
Kurama Maru [2]...	20	20	Jap....	Kokusai Kisen Kaisha	New York, N.Y.	Kobe, Japan....	General.....	5,670
Charles Christenson.	20	20	Amer..	Sudden & Christenson	New York, N.Y.	Seattle, Wash....	General.....	2,373
Silverfir [2].....	20	21	Brit...	Silver Line, Ltd.....	Houston, Texas..	Shanghai, China.	Cotton.....	4,500
Tuira [3].....	19	...	Pan...	Hans Elliot.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Sambu [3].....	19	...	Pan...	Hans Elliott.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Sadie [5].....	...	...	Amer..	Lieut. Hotchett.....	Cristobal, C.Z...	Gatun, C.Z.....	Ballast.....	.....
Yankee Arrow [1]..	21	21	Amer..	Standard Oil Co.....	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Los Angeles [2].....	20	21	Ger...	North German Lloyd.	Hamburg,Ger...	Vancouver, B.C..	General.....	4,117
Wisconsin.....	21	21	Fr....	French Line.....	Antwerp, Belg...	Vancouver, B.C.	([16])	4,299
Lochgoil [2].....	21	21	Brit...	Royal Mail Lines....	Rotterdam,Neth.	Vancouver, B.C..	General.....	1,745
Shohei Maru [2]....	21	21	Jap...	Mitsui & Co.....	New York, N.Y.	Yokohama,Japan	Rosin, gen...	785
Gen. Wm. M. Graham. [11]	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Tamaroa.....	21	22	Brit...	Shaw, Savill & Albion	London, Eng....	Wellington, N.Z..	General.....	4,415
President Pierce..	22	22	Amer..	Dollar Line.....	New York, N.Y.	S. Francisco, Cal.	General.....	2,918
Meton [1].....	22	22	Amer..	Shell Eastern Pet. Co.	Perth A'boy,N.J.	Los Angeles, Cal.	Ballast.....	.....
Virginia.....	22	23	Amer..	Panama-Pacific Line..	New York, N.Y.	S. Francisco, Cal.	General.....	2,384
Susan V. Luckenbach.	22	22	Amer..	Luckenbach Line....	Boston, Mass....	Seattle, Wash...	General.....	4,113
Svealjarl [2].....	21	22	Swed..	Knutsen Line.....	Gothenburg,Swed	Valparaiso, Chile	General.....	2,790
Acajutla.....	16	23	Brit...	Pacific Steam Nav.Co	Cristobal, C.Z...	Champ'ico, Guat.	General.....	335
Childar [2].....	22	23	Nor...	West India Trad. Co.	Aalborg, Den....	B'ventura, Col...	([17])	1,707
Felix Taussig.....	23	23	Amer..	McCormick S.S. Co..	Philadelphia, Pa.	Seattle, Wash...	General.....	2,575
K. I. Luckenbach.	23	23	Amer..	Luckenbach Line....	New York, N.Y.	Seattle, Wash...	General.....	646
Nebraskan.....	23	23	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash....	General.....	1,749
R. J. Hanna [1].....	23	23	Amer..	Standard Oil Co.....	Philadelphia, Pa.	S. Francisco, Cal.	Ballast.....	.....
Cali.....	17	23	Ger...	North German Lloyd.	Cristobal, C.Z...	Puntarenas, C.R.	General.....	700
Santa Elena.....	23	24	Amer..	Panama Mail S.S. Co.	New York, N.Y.	Seattle, Wash...	Coffee, gen..	3,110
Kirdistan.....	23	24	Brit...	Common Brothers....	Montreal,Canada	Vancouver, B.C..	Ballast.....	.....
Southern Sun [1] [2].	23	24	Amer..	Sun Oil Co.....	Chester, Pa.....	Los Angeles, Cal.	Ballast.....	.....
Panaman.....	24	24	Amer..	Amer.-Hawaiian Line.	Boston, Mass...	Los Angeles, Cal.	General.....	3,154
Anna Maersk [2]...	24	24	Dan...	Isbrandtsen Moller...	Baltimore, Md...	Iloilo, P. I.....	General.....	4,386
Malayan Prince [2].	24	24	Brit...	Prince Line.....	Baltimore, Md...	Shanghai, China.	General.....	2,441
Gulfcrest [2].....	24	24	Amer..	Gulf Refining Co.....	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Rajahstan.....	24	24	Brit...	Anglo-Can. Ship. Co.	Baltimore, Md...	Vancouver, B.C..	Ballast.....	.....
Greystoke Castle [2]	24	24	Brit...	Barber Line.....	New York, N.Y..	Shanghai, China.	General.....	2,052
Nuevo Panama [2]..	23	24	Pan...	Elliot Ship.& Land Co.	Cristobal, C.Z...	B'ventura, Col...	General.....	225

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [6] Yacht. [8] Transport. [11] Mine planter. [13] Beef, cocoa, general. [14] Kerosene and lubricating oil. [15] Towing barge *No. 169*. [16] Coke, steel, general. [17] Cement and cattle.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Santa Inez [2]	24	24	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	([15])	718
Memphis City	24	24	Amer.	Isthmian S.S. Lines	Portland, Oreg.	Vancouver, B.C.	General	6,098
Yorkmar	24	25	Amer.	Calmar S.S. Corp.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,499
Cumberland	24	25	Brit.	Fed. Steam Nav. Co.	Swansea, Eng.	Pt. Chal'ers, N.Z.	General	10,032
Tymeric	25	25	Brit.	Andrew Weir & Co.	Antilla, Cuba	Hongkong, China	Sugar	6,500
Anniston City	25	25	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Honolulu, T.H.	Ballast	
Durazzo	23	25	Ger.	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil, Ecuad	General	477
El Libertador [3]	24		Pan.	Narcisco Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Corsair [5]			Amer.	George Herman	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Col. Riche [5]			Amer.	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Fairfield City	25	26	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Shanghai, China	([14])	3,342
S. A. Perkins	26	26	Amer.	Swayne & Hoyt	Tampa, Fla.	Seattle, Wash.	General	4,977
City of Evansville	26	26	Brit.	Hall Line, Ltd.	Philadelphia, Pa.	Dairen, China	General	3,035
Buenos Aires Maru. [2]	26	26	Jap.	Osaka Shosen Kaisha.	Montevideo, Ur'y	Kobe, Japan	([13])	4,384
Belfast Maru	26	26	Jap.	Kawasaki K. Kaisha.	New York, N.Y.	Kobe, Japan	([16])	3,955
Texan	26	28	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	2,025
Charles H. Cramp	26	26	Amer.	Argonaut Line	Albany, N.Y.	Seattle, Wash.	([17])	4,374
San Anselmo	26	26	Amer.	Quaker Line	New York, N.Y.	Tacoma, Wash.	General	1,962
Wm. G. Warden [1]	26	27	Amer.	Standard Ship. Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Arcadia	26	27	Ital.	D. Tripcovich	Newp't News, Va	Chile	Ballast	
Joseph Seep [1]	26	27	Amer.	Standard Ship. Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	
Chilore	26	27	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile.	Ballast	
Nicoline Maersk	27	27	Dan.	A.P. Moller	Jacksonville, Fla.	Yawata, Japan	Scrap	7,294
Ionic Star	27	27	Brit.	Blue Star Line	Tyne, Eng.	Vancouver, B.C.	Ballast	
Langleeridge	27	27	Brit.	F. & W. Carrick	Swansea, Eng.	Chile	Ballast	
Tuira [3]	26		Pan.	Hans Elliot	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Sambu [3]	26		Pan.	Hans Elliot	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Elizabeth Kellogg [1]	28	28	Amer.	Kellogg S.S. Co.	Corpus Christi	S. Francisco, Cal.	([19])	3,444
San Gil	28	29	Pan.	United Fruit Co.	Philadelphia, Pa.	Pto. Arm'les, R.P.	Ballast	
Hartismere	28	28	Brit.	J. & C. Harrison	Corpus Christi	Yawata, Japan	General	6,648
Robert Luckenbach.	28	28	Amer.	Luckenbach Line	Boston, Mass.	Yawata, Japan	General	4,251
Santa Barbara [2]	28	29	Amer.	Grace Line	New York, N.Y.	SanAntonio, Chile	General	2,421
President Johnson	29	29	Amer.	Dollar Line	Boston, Mass.	S. Francisco, Cal.	General	4,086
Axel Johnson [2]	28	29	Swed.	Johnson Line	Gothenburg, Swed	S. Francisco, Cal.	([20])	933
Oakworth [2]	28	29	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B.C.	General	3,800
William Rockefeller. [1]	28	29	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	
Taranger [2]	29	29	Nor.	Interocean Line	Rotterdam, Neth.	Vancouver, B.C.	Passengers	
Santa Teresa	28	30	Amer.	Panama Mail S.S. Co.	Philadelphia, Pa.	S. Francisco, Cal.	General	2,504
Castana [1]	29	29	Amer.	U.S. Tankship Corp.	New Orleans, La.	Kahului, T.H.	Ballast	
Fernmoor [2]	29	29	Nor.	Fearnley & Eger	New Orleans, La.	Shanghai, China	Gen., cotton.	4,447
Mabriton	29	30	Brit.	R. Chapman & Sons.	Pt. Ferraio, Italy	Vancouver, B.C.	Ballast	
No. 101 [5]			Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Escobal [5]			Amer.	John S. Greenland	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Wright [13]	25	1	Amer.	U.S. Navy	Cristobal, C.Z.	San Diego, Cal.	Ballast	
Swan [10]		30	Amer.	U.S. Navy	Cristobal, C.Z.	San Diego, Cal.	Ballast	
Gulfwax [1]	29	30	Amer.	Gulf Refining Co.	Marcus Hook, Pa.	Los Angeles, Cal.	Ballast	
El Aleto [2]	29	30	Brit.	Anglo-Ecuad. Oil Co.	Philadelphia, Pa.	LaLibertad, Ecua.	Ballast	
Frieda	29	30	Amer.	Union Sulphur Co.	Galveston, Texas	Tacoma, Wash.	Sulphur	
Gulfpenn [1]	29	30	Amer.	Gulf Refining Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	
Nordpol [2]	30	30	Dan.	Chile Nitrate Sales Co.	Boston, Mass.	Tocopilla, Chile.	Ballast	
Timber Rush	30	30	Amer.	Shepard S.S. Co.	Boston, Mass.	Portland, Oreg.	General	3,657
Hawaiian	30	30	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,051
Nike [2]	29	30	Swed.	Anglo-Saxon Pet. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Ensley City	30	30	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Honolulu, T.H.	Ballast	
Oakmar	30	30	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, general	6,188
Alda	29	30	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	2,881
West Cactus	30	1	Amer.	McCormick S.S. Co.	Philadelphia, Pa.	S. Francisco, Cal.	General	2,249
Steelore	1	1	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile.	Ballast	
Nuevo Panama [2]	30	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	100
Manizales	30	1	Ger.	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	470
Leise Maersk [2]	1	2	Dan.	A.P. Moller	Montreal, Canada	Supe, Peru	Ballast	
Virgilio [2]	1	2	Ital.	Societa Italia	Genoa, Italy	Valparaiso, Chile.	General	693
Pacific Pioneer [2]	2	2	Brit.	Furness Withy & Co.	Glasgow, Scot.	Vancouver, B.C.	General	639
Willzipo	2	2	Amer.	Williams S.S. Line	Baltimore, Md.	Seattle, Wash.	General	2,800
Barneveld	1	3	Neth.	Royal Neth. S.S. Co.	Hamburg, Ger.	Corral, Chile	General	1,767
Tacoma	1	2	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	3,661
R.L. Hague [2] [4]	2	2	Ital.	Soc. La Columbia	Hamburg, Ger.	Talara, Peru	Ballast	
Lapwing [10]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Charles Pratt [1]	2	3	Amer.	Standard Ship. Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	
Drechtdijk [2]	2	3	Neth.	N. Pacific Coast Line.	Rotterdam, Neth.	Portland, Oreg.	General	2,158
Meandros	2	3	Greek.	Gildmeiester & Co.	Antwerp, Belg.	Peru	Ballast	
Steel Worker	3	3	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Seattle, Wash.	General	2,941
O.B. Sorensen [1] [2]	3	3	Nor.	Anglo-Saxon Pet. Co.	Curacao, D.W.I.	Kagishima, Jap.	Kerosene	10,750
Ohioan	3	3	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Puget S'd, Wash.	General	2,586

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [10] Mine sweeper. [13] Aircraft tender. [14] Tobacco, tinplate, steel, general. [15] Cotton, coffee, hides, general. [16] Cotton and canned fish. [17] Sand, steel oil, etc. [18] Dynamite and general. [19] Cottonseed oil. [20] Paper, malt, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Eli [2]	3	3	Nor.	Jorgensens Rederi	St. John, N.B.	Kobe, Japan	([14])	7,287
Modavia [2]	3	4	Brit.	Donaldson Brothers	Glasgow, Scot.	Vancouver, B.C.	General	649
Marconi [3]	3	...	Pan.	D. Compodonico	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
W.H. Libby [1]	3	4	Amer.	Standard Ship. Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Liberator	4	4	Amer.	Lykes Bros. Ripley	New Orleans, La.	Cebu, P.I.	Cotton, brick	5,738
Oregon [2]	4	4	Fr.	French Line	Havre, France	Vancouver, B.C.	General	6,105
Tuira [3]	3	...	Pan.	Hans Elliot	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Rangitiki [2]	4	5	Brit.	N.Z. Shipping Co.	London, Eng.	Wellington, N.Z.	General	2,000
Lena Luckenbach	4	5	Amer.	Luckenbach Line	Mobile, Ala.	Seattle, Wash.	Steel, gen.	5,795
Harry Luckenbach	5	5	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,421
Phemius	5	5	Brit.	Alfred Holt & Co.	Philadelphia, Pa.	Yokohama, Jap.	General	3,086
Atenas	5	6	Amer.	United Fruit Co.	Newp't News, Va.	S. Francisco, Cal.	Ballast	.....
San Marcos	4	5	Amer.	Quaker S.S. Line	New York, N.Y.	Seattle, Wash.	([15])	2,430
Titania [2]	5	6	Nor.	Wilh. Wilhelmsen	Baltimore, Md.	Vancouver, B.C.	Ballast	.....
President Taft	5	6	Amer.	Dollar Line	New York, N.Y.	Manila, P.I.	General	1,834
Pennsylvania	6	6	Amer.	Panama Pacific Line	New York, N.Y.	S. Francisco, Cal.	General	3,099
Witell	1	6	Ger.	North German Lloyd	Bremen, Ger.	Vancouver, B.C.	Ballast	.....
Cerigo [13]	5	...	Ger.	Hamburg-Amer. Line	Cristobal, C.Z.	Balboa, C.Z.	.....	.....
Chastine Maersk [2]	5	6	Dan.	Isbrandtsen Moller Co.	New York, N.Y.	Iloilo, P.I.	Zinc, gen.	1,257
Winton [2]	6	6	Brit.	Avenue Shipping Co.	New York, N.Y.	Geraldton, Aus.	Gen., sulphur	7,137
Silverwalnut [2]	6	6	Brit.	Silver Line, Ltd.	Philadelphia, Pa.	Singapore, St. Set.	General	1,257
Kinai Maru [2]	6	6	Jap.	Osaka Shosen Kaisha	Philadelphia, Pa.	Shanghai, China	([16])	7,422
Phoenix [1]	6	6	Amer.	Krieger Oil Co.	Texas City, Tex.	S. Francisco, Cal.	Gasoline	8,641
Europa [2]	6	6	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B.C.	Gen., coffee	136
K.R. Kingsbury [1]	6	6	Amer.	Shell Oil Co.	Fall River, Mass.	S. Francisco, Cal.	Ballast	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Osiris [2] [13]	6	...	Ger.	Hamburg-Amer. Line	Cartagena, Col.	Balboa, C.Z.	General	6,525
Salvador	30	7	Brit.	Pacific Steam Nav. Co.	Cristobal, C.Z.	Champ'ico, Guat.	General	583
Wales Maru	7	7	Jap.	Kawasaki K. Kaisha	New York, N.Y.	Osaka, Japan	([17])	6,613
Elmbank [2]	7	7	Brit.	Bank Line	New Orleans, La.	Kobe, Japan	Cotton, gen.	4,906
Samuel Bakke [2]	7	7	Nor.	Cascade Line	Goth'burg, Swed.	Vancouver, B.C.	Ballast	.....
Point Salinas	7	7	Amer.	Swayne & Hoyt	Houston, Texas	Seattle, Wash.	General	5,625
New Orleans	1	7	Amer.	Roosevelt S.S. Co.	Baltimore, Md.	Shanghai, China	General	3,012
Cape Horn [2]	7	8	Brit.	Cape York M.S. Co.	Manchester, Eng.	Vancouver, B.C.	Ballast	.....
American	7	8	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Los Angeles, Cal.	General	2,626
Santa Lucia	7	8	Amer.	Panama Mail S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	3,281
Santa Isabel	6	8	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	957
Villanger [2]	6	8	Nor.	Interocean S.S. Corp.	Rotterdam, Neth	Vancouver, B.C.	Machinery	1
Nansenville [2]	7	8	Nor.	Fred Olsen Line	Antwerp, Belg.	Los Angeles, Cal.	General	1,542
Sheaf Holme [2]	7	8	Brit.	Thos. Rice & Co.	Port Tampa, Fla.	Niihama, Japan	Phos., cotton	8,300
Port Huon [2]	7	8	Brit.	Com. & Dom. Line	London, Eng.	Bluff, N.Z.	General	3,498
Nuevo Panama [2]	7	8	Pan.	Elliot Ship & LandCo.	Cristobal, C.Z.	B'ventura, Col.	General	50
Jefferson Myers	8	8	Amer.	States S.S. Co.	Irvington, N.Y.	Los Angeles, Cal.	Ballast	.....
Sunoil [1] [2]	7	8	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Franklin K. Lane [1]	8	8	Amer.	Standard Oil Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Tai Ping Yang [2]	8	8	Pan.	Barber Line	New York, N.Y.	Shanghai, China	General	1,086
El Libertador [3]	8	...	Pan.	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Cutter	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
West Ivis	8	...	Amer.	McCormick S.S. Co.	Rosario, Arg.	Vancouver, B.C.	([18])	5,424
Charles Nelson	9	9	Amer.	Nelson Line	Albany, N.Y.	Seattle, Wash.	([19])	2,670
Helen Whittier	9	9	Amer.	Sudden & Christenson	Baltimore, Md.	Los Angeles, Cal.	General	2,100
Washington Express [2]	9	9	Nor.	Limited Liability Co.	Goth'burg, Swed.	N. West'er, B.C.	Ballast	.....
Port Darwin	9	9	Brit.	Cunard Line	Liverpool, Eng.	Australia	General	3,329
Point Ancha	9	10	Amer.	Swayne & Hoyt	Houston, Texas	Vancouver, B.C.	([20])	3,131
Steel Seafarer	10	10	Amer.	Isthmian S.S. Lines	New Orleans, La.	Singapore, St. Set.	Steel, gen.	5,860
Lebore	10	10	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Virginian	10	10	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	2,200
Nordfarer [2]	10	10	Dan.	Anglo-Can. Ship. Co.	Garston, Eng.	Vancouver, B.C.	Ballast	.....
Canadian Challenger	10	11	Brit.	Can. Nat. Steamships	Montreal, Canada	Lyttleton, N.Z.	General	4,112
Harold Walker [1]	10	10	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Durazzo	9	10	Ger.	Hamburg-Amer. Line	Cristobal, C.Z.	Guayaquil, Ecuad	General	361
Absaroka	10	11	Amer.	McCormick S.S. Co.	New York, N.Y.	Seattle, Wash.	([21])	2,471
Heffron	10	11	Amer.	Pac. Coast DirectLine	Boston, Mass.	Seattle, Wash.	Tobacco, gen.	804
Pensilva	10	11	Brit.	The Texas Co.	Port Arthur, Tex.	Melbourne, Aust.	Oil, asphalt	5,180
Santa Clara Valley [2]	10	11	Brit.	W.R. Smith & Sons	Houston, Texas	Kobe, Japan	Cotton	6,012
Kwansai Maru [2]	11	11	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Kobe, Japan	Phos'te, gen.	7,716
Andrea F. Luckenbach	11	11	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Ballast	.....
Geo. W. McKnight [1] [2]	11	11	Danz.	W. Tankschiff Rhed'i.	Stettin, Germany	Talara, Peru	Ballast	.....
Sveadrott [2]	11	11	Swed.	W.L. Comyn & Sons	Antwerp, Belg.	Los Angeles, Cal.	Ballast	.....
Lobos [2]	11	11	Brit.	Pacific Steam Nav. Co	Hull, Eng.	Valparaiso, Chile.	General	3,500
Heinrich V. Riedemann [1] [2]	11	11	Danz.	W. Tankschiff Rhed'i.	Havre, France	Talara, Peru	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [13] Balboa, for drydocking. [14] Rails and scrap steel. [15] Oil, steel, general. [16] Oil, automobile, general. [17] Cotton, phosphate, and general. [18] Bones, coffee, general. [19] Coal, iron, general. [20] Corn, lumber, rice, oil, general. [21] Iron, steel, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Java Arrow [1]	11	12	Amer.	Stand. Vacuum Tr'sp.	Albany, N.Y.	Los Angeles, Cal.	Ballast	
Cities Service Toledo. [2]	11	12	Amer.	Cities Serv. Transp.	New York, N.Y.	Los Angeles, Cal.	Ballast	
Deroche [1]	12	12	Amer.	Union Oil Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	
Lillian Luckenbach.	12	12	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,471
San Blas	12	13	Pan.	United Fruit Co.	Boston, Mass.	Pto. Arm'les, R.P.	Ballast	
Monkleigh	12	12	Brit.	Canadian Transp. Co.	Cardiff, England.	Vancouver, B.C.	Ballast	
Albionstar	12	12	Brit.	Blue Star Line	Tyne, England	Vancouver, B.C.	Ballast	
Bonnington Court. [2]	12	12	Brit.	Canadian Transp. Co.	Hull, England	Vancouver, B.C.	Coal	6,300
Mallard [10]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
President Monroe.	13	13	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	3,775
Havel [2]	12	14	Ger.	North German Lloyd.	Bremen, Ger.	Vancouver, B.C.	General	3,051
Harpoon	12	13	Amer.	Shepard S.S. Co.	Boston, Mass.	Seattle, Wash.	General	3,725
District of Columbia. [2]	13	13	Amer.	Standard Oil Co.	New York, N.Y.	S. Francisco, Cal.	Ballast	
Santa Clara	12	13	Amer.	Grace Line	New York, N.Y.	San Antonio, Chile	General	3,030
City of Delhi	13	13	Brit.	Ellerman Lines, Ltd.	Liverpool, Eng.	Fremantle, Aust.	General	5,007
Santa Cecilia	12	14	Amer.	Panama Mail Line	New York, N.Y.	S. Francisco, Cal.	General	2,207
Mobile City	13	13	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	2,482
Trondanger [2]	13	13	Nor.	Interocean Line	Rotterdam, Neth	Vancouver, B.C.	Passengers	
Real [3]	12	13	Pan.	Hans Elliot	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	50
Canadian Constructor.	12	14	Brit.	Can. Nat. Steamships	Montreal, Canada	Brisbane, Aus'lia.	General	1,924
Feltre [2]	13	14	Ital.	Nav. Libera Triestina	Genoa, Italy	Vancouver, B.C.	([13])	3,037
Roxen	13	14	Swed.	Transatlantic S.S. Co.	New York, N.Y.	Vancouver, B.C.	Ballast	
Nuevo Panama [2]	13	14	Pan.	Elliot Ship. & Land Co	Cristobal, C.Z.	B'ventura, Col.	General	100
Montanan	14	14	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,923
Jacob Luckenbach	14	14	Amer.	Luckenbach Line	Houston, Texas.	Tacoma, Wash.	General	4,523
Dalblair	14	14	Brit.	Gans S.S. Line	Houston, Texas.	Shanghai, China.	([14])	5,358
Olympia [2]	14	14	Dan.	S.C. Orient	Copenhagen, Den.	Vancouver, B.C.	Ballast	
Spreewald [2]	13	14	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	2,329
Chester Sun [1] [2]	15	15	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Alamar	15	15	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	8,304
Mary D	15	15	Amer.	Girdwood S.S. Co.	New Orleans, La.	Seattle, Wash.	General	4,242

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	From—	For—	Nature	Tons
Tuscaloosa City	16	16	Amer.	Isthmian S.S. Lines	Vancouver, B.C.	Avonmouth, Eng.	Lumber, gen.	7,336
Ville de Strasbourg.	16	16	Fr.	Messageries Marit'es.	Noumea, N.Caled.	Marseille, France	General	4,280
Loreto [2]	16	16	Brit.	Pacific Steam Nav.Co.	Talcahuano, Chile	Hull, Eng.	General	8,107
Ludington [8]	15	18	Amer.	U.S. Army	Manila, P.I.	Brooklyn, N.Y.	Supplies	1,005
Nuevo Panama [2]	16	17	Pan.	Elliot Ship & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	216
President Taft	17	17	Amer.	Dollar Line	S. Francisco, Cal.	New York, N.Y.	General	6,488
San Rafael	16	17	Amer.	States S.S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lum., gen.	7,304
Cali	17		Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	734
Horace Luckenbach.	17	17	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	6,474
Azumasan Maru [2]	17	17	Jap.	Mitsui Bussan Kaisha	Manila, P.I.	Pensacola, Fla.	General	7,562
Rhein [2]	17	18	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger.	General	8,738
Mary D	17	17	Amer.	Continental Grain Co.	Seattle, Wash.	New Orleans, La.	Wheat	6,600
Peter Hurll [1] [2]	17	18	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Valloe, Norway.	Crude oil	16,749
Oakand [2]	17	18	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	6,742
Rialto [2]	17	18	Ital.	Nav. Libera Triestina	Vancouver, B.C.	Trieste, Italy	Wheat, gen.	7,882
K.R. Kingsbury [2]	17	18	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Naphtha	9,175
San Bruno	18	18	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Philadelphia, Pa.	Bananas	810
Alaskan	18	18	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Gen., lumber.	6,661
Santa Cecilia	18	18	Amer.	Argonaut S.S. Co.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	7,115
Perry L. Smithers.	18	18	Amer.	Continental Grain Co.	Portland, Oreg.	New York, N.Y.	Grain, wheat	5,837
Potter [2]	16		Amer.	Roosevelt S.S. Co.	Manila, P.I.	Baltimore, Md.	General	7,371
Glenpool [1]	18	18	Amer.	Standard Shipping Co.	Los Angeles, Cal.	Baltimore, Md.	Gasoline	7,284
Northern Sun [1] [2]	18	19	Amer.	Sun Oil Co.	Los Angeles, Cal.	Perth A'boy, N.J.	Gasoline	13,400
Pennsylvania	18	19	Amer.	Panama Pacific Line	S. Francisco, Cal.	New York, N.Y.	General	8,499
Hegira	18	19	Amer.	Hegira S.S. Co.	Portland, Oreg.	Boston, Mass.	Lumber	7,327
Gen. Wm. M. Graham. [11]		21	Amer.	U.S. Army	Balboa, C.Z.	Cristobal, C.Z.		
Sambu [5]	19	20	Pan.	Hans Elliot	Darien, R.P.	Cristobal, C.Z.	Bananas	11
Tajira [2]	19	20	Pan.	Hans Elliot	Darien, R.P.	Cristobal, C.Z.	Bananas	48
Sunoil [1] [2]	19	19	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,578
Missoula	19	19	Amer.	Amer.-Hawaiian Line.	Eureka, Calif.	Philadelphia, Pa.	Lumber	6,187
Welcombe	18	19	Brit.	Andrew Weir & Co.	Cairns, Australia.	Halifax, N.S.	Sugar	8,280
Rangitane [2]	18	19	Brit.	N.Z. Shipping Co.	Wellington, N.Z.	London, Eng.	Frozen, gen.	4,725
San Diego	19	20	Fr.	French Line	Portland, Oreg.	Antwerp, Belg.	General	5,680
Pacific Grove [2]	19	20	Brit.	Furness Withy & Co.	Vancouver, B.C.	Glasgow, Scot.	General	8,960

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [8] Transport. [10] Mine sweeper.
[11] Mine planter. [13] Salt, cork, and general. [14] Cotton and scrap iron.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Point Brava	19	19	Amer.	Swayne & Hoyt	S. Francisco, Cal.	New Orleans, La.	General	5,813
A.B. Obarrio [2]	19	20	Pan.	A. Valdes	Bayano Riv.,R.P.	Gamboa, C.Z.	Bananas	48
Santa Rita [2]	20	20	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	3,687
Invercorrie [1]	20	20	Venez.	Lago Petroleum Corp.	B'ventura, Col.	Maracaibo, Ven.	Ballast	
Mexican	20	21	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	10,327
Col. Riche [5] [13]	20	25	Amer.	U.S. Army	Balboa, C.Z.	Cristobal, C.Z.		
Gen. Wm. M. Graham. [11] [13]	20	21	Amer.	U.S. Army	Pedro Miguel,C.Z	Cristobal, C.Z.		
Snestad [2]	20	21	Nor.	Inter'l Freight'g Corp.	Iquique, Chile	New Orleans, La.	Nitrate	7,306
Java Arrow [2]	21	21	Amer.	Stand. Vacuum Tr'sp.	Los Angeles, Cal	New York, N.Y.	Gasoline	11,214
Roland	21	21	Ger.	North Germany Lloyd	Valparaiso, Chile.	Hamburg, Ger.	General	5,625
Sidney M. Hauptman.	21	21	Amer.	McCormick S.S. Co.	Portland, Oreg.	Baltimore, Md.	([14])	9,408
San Diego	21	21	Amer.	States S.S. Co.	Everett, Wash.	Portsmouth,R.I.	Lumber,pulp	6,063
Deroche [1]	21	21	Amer.	Union Oil Co. of Cal.	Los Angeles, Cal.	Tiverton, R.I.	Gasoline	5,180
Orazio [2]	21	23	Ital.	Italian Line	Valparaiso, Chile.	Genoa, Italy	General	2,811
Baarn	22	22	Neth.	Royal Neth. S.S. Co.	Talcahuano,Chile	Hamburg, Ger.	General	7,074
Barbara Cates	22	22	Amer.	Sudden & Christenson	Los Angeles, Cal.	Jacksonville, Fla.	Lumber, gen.	6,631
Lewis Luckenbach	22	22	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,104
Lebore	23	23	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,700
Neches [1]	22	23	Amer.	U.S. Navy	San Diego, Cal.	Guantanamo Bay	([15])	7,094
Losmar	23	23	Amer.	Calmar S.S. Corp.	Seattle, Wash.	Philadelphia, Pa.	Lumber	6,920
Nuevo Panama [2]	23	24	Pan.	Elliot Ship & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee, gen.	215
Santa Cecilia	23	24	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	Coffee, gen.	3,402
Tai Ping [2]	23	24	Nor.	Barber Line	Manila, P.I.	New York, N.Y.	General	7,082
Swan, No. 34 [10]			Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
Durazzo	23	25	Ger.	Hamburg-Amer. Line.	Guayaquil,Ecuad	Cristobal, C.Z.	Gen., coffee	1,035
Nordbo [2]	23	24	Dan.	Anglo-Can. Ship. Co.	Vancouver, B.C.	Hull, Eng.	([16])	7,042
Libertador [2]	24	25	Pan.	Narciso Pinel	Darien, R.P.	Cristobal, C.Z.	Bananas	25
Pennsylvanian	24	24	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,538
Kohnan Maru	24	24	Jap.	Kobe Sanbashi K.K.	Yokohama,Japan	London, Eng.	([17])	7,020
Reginolite [1] [2]	24	25	Brit.	Imperial Oil Co.	Talara, Peru	Montreal,Canada	Crude oil	11,640
Wright	23	30	Amer.	U.S. Navy	Bahia H'da,R.P.	Coco Solo, C.Z.	Navy stores	20
Teal [10]	25		Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
Steel Exporter	24	25	Amer.	Isthmian S.S. Lines	Kahului, T.H.	New York, N.Y.	General	7,400
Massmar	24	25	Amer.	Calmar S.S. Corp.	Seattle, Wash.	Baltimore, Md.	([18])	6,825
Vera Radcliffe	25	25	Brit.	Salitreros	Tocopilla, Chile.	Azores [20]	([19])	8,550
Delftdijk	25	25	Neth.	United Pac.Coast Line	Vancouver, B.C.	Rotterdam, Neth.	General	10,551
Hamm	25	26	Ger.	Hamburg-Amer. Line.	Pimental, Peru	Hamburg, Ger.	General	6,443
Santa Paula	25	27	Amer.	Panama Mail S.S. Co.	Seattle, Wash.	New York, N.Y.	General	4,360
Robin Goodfellow	26	26	Amer.	Luckenbach Gulf Line	Portland, Oreg.	Mobile, Ala.	Sugar, gen.	6,648
Henry D. Whiton.	26	26	Amer.	Dutton Lumber Corp.	Longview, Wash.	Providence, R.I.	Lumber	5,410
Sambu [5]	26	27	Pan.	Hans Elliot	Darien, R.P.	Cristobal, C.Z.	Bananas	18
Tuira [2]	26	27	Pan.	Hans Elliot	Darien, R.P.	Cristobal, C.Z.	Bananas	58
Aymeric	26	27	Brit.	Andrew Weir & Co.	Suva, Fiji Islands	Lands End. [20]	Sugar	7,559
Point Fermin	26	26	Amer.	Continental Grain Co.	Seattle, Wash.	Newp't News,Va.	Wheat	4,603
S.C.T. Dodd [1]	26	26	Amer.	James B. Berry & Sons	Los Angeles, Cal.	Tiverton, R.I.	([21])	10,455
American Star	26	26	Amer.	Union Sulphur Co.	Portland, Oreg.	Poughkeepsie,NY	Lumber	6,375
Riche [5]			Amer.	U.S. Army	Balboa, C.Z.	Cristobal, C.Z.	Ballast	
Marore	27	27	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,652
Georgian	26	27	Amer.	Williams S.S. Corp.	Seattle, Wash.	Newburgh, N.Y.	Lumber, gen.	8,954
Horda	26	27	Nor.	Chilean Nitrate Corp.	Iquique, Chile	East coast U.S.	Nitrate	7,259
Santa Clara	27	27	Amer.	Grace Line	SanAntonio,Chile	New York, N.Y.	General	3,635
Harmattan	27	27	Brit.	Anglo-Can. Ship. Co.	N. West'er, B.C.	Liverpool, Eng.	Lumber, gen.	7,600
Dorothy Luckenbach.	27	27	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	6,713
Moveria [2]	27	27	Brit.	Donaldson Brothers	Vancouver, B.C.	Glasgow, Scot.	General	5,540
Dakotan	27	27	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,343
Pasajero [2]	27	28	Hond.	F. Beltran	([22])	Trujillo, Hond.	Coffee, gen.	38
Lagarto [2]	27	28	Brit.	Pacific Steam Nav.Co.	SanAntonio,Chile	Hull, England	General	6,570
Canadian Highlander.	27	28	Brit.	Can. Nat. Steamships	Auckland, N.Z.	Montreal,Canada	([23])	1,815
Montreal Maru	28	28	Jap.	Kawasaki Docky'dCo.	Shanghai, China	Houston, Texas.	General	7,387
Granville [2]	28	28	Pan.	Fred Olsen Line	Vancouver, B.C.	Oslo, Norway	Grain, gen.	8,268
Chester Sun [1] [2]	28	28	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,181
San Gabriel	28	28	Amer.	Quaker Line	Everett, Wash.	Philadelphia, Pa.	Lumber, gen.	6,000
Hindanger [2]	28	28	Nor.	Westfal, Larsen & Co.	N. West'er, B.C.	Le Havre,France.	Wheat, gen.	7,133
Elmworth [2]	28	28	Brit.	Canad. Transp. Co.	Tacoma, Wash.	Montreal,Canada	Gen., lumber	5,698
Vancouver	29	29	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	7,307
Florench Luckenbach.	29	29	Amer.	Luckenbach Line	Seattle, Wash.	Providence, R.I.	Lumber	5,208
Antietam [1]	29	29	Amer.	Shell Oil Co.	Los Angeles, Cal.	Baltimore, Md.	Naphtha	9,252
West Mahwah	29	29	Amer.	Pac.-Arg.-Brazil Line.	Vancouver, B.C.	Buenos Aires,Arg	Lumber, gen.	7,648
Benmohr	29	29	Brit.	Ben Line	N. West'ter,B.C.	Middlesboro,Scot	Lumber, gen.	8,351
Atlanta City	29	30	Amer.	Isthmian S.S. Lines	Hilo, T.H.	E. coast U.S. [20]	Sugar	8,544
Gen. Wm. M. Graham. [11]			Amer.	U.S. Army	Balboa, C.Z.	Cristobal, C.Z.		
Lt. Col. Schuum [4]			Amer.	U.S. Army	Balboa, C.Z.	Cristobal, C.Z.		

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [10] Mine sweeper. [11] Mine planter. [13] Towing barge. [14] Lumber, wheat, general. [15] Gasoline, Diesel and fuel oil. [16] Lumber and wheat. [17] Canned salmon. [18] Lumber and copper. [19] Nitrate of soda. [20] For orders. [21] Kerosene and furnace oil. [22] San Juan del Sur, Nicaragua. [23] Wool, hides, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Salvador	30	...	Brit.	Pacific Steam Nav.Co.	Champerico,Guat	Cristobal, C.Z.	General	122
Manizales	30	1	Ger.	North German Lloyd.	Guayaquil,Ecuad	Cristobal, C.Z.	General	747
Dilworth [1]	30	30	Amer.	Shell Eastern Pet. Co.	Los Angeles, Cal.	Wilmington,N.C.	Naphtha	9,227
Tokai Maru [2]	30	1	Jap.	Osaka Shosen Kaisha.	Fusan, Japan	Savannah, Ga.	General	3,377
Osiris [2]	30	1	Ger.	Hamburg-Amer. Line.	Talcahuano,Chile	Hamburg, Ger.	General	6,393
Canadian Beaver	29	1	Brit.	Great Lakes Line	Vancouver, B.C.	Toronto, Canada	Lumber, gen.	3,412
Nuevo Panama [2]	30	1	Pan.	Elliot Ship. & LandCo.	B'ventura, Col.	Cristobal, C.Z.	Coffee,drums	217
Svealand [2]	30	1	Swed.	Ore S.S. Corp	Cruz Gr'de,Chile.	Sparrows Pt.,Md.	Iron ore	21,652
Chilbar [1]	30	1	Amer.	Pennsylvania Ship.Co.	Los Angeles, Cal.	Fall River, Mass.	Fuel oil	7,617
West Notus	1	1	Amer.	McCormick S.S. Co.	Powell River,B.C.	Baltimore, Md.	Lumber, gen.	8,080
Arizonan	1	1	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	7,997
Gertrude Kellogg [1]	1	1	Amer.	Kellogg S.S. Corp.	Shanghai, China	New York, N.Y.	([15])	6,650
Comet [1]	1	2	Amer.	Stand. Vacuum Tr'sp.	Los Angeles, Cal.	New York, N.Y.	Gasoline	12,958
San Gil	1	2	Pan.	United Fruit Co.	Pto. Arm'les,R.P.	Philadelphia, Pa.	Bananas	870
Edward Luckenbach.	2	2	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Sugar, gen.	6,624
Kirsten Maersk	2	3	Dan.	Maersk Line	Salaverry, Peru.	Philadelphia, Pa.	Sugar	3,578
California	2	3	Amer.	Panama Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	8,715
Nyhorn [2]	3	3	Nor.	W.L. Comyn & Sons.	Vancouver, B.C.	Antwerp, Belg.	([16])	7,432
Appledore	3	3	Brit.	Anglo-Canadian Line.	Pt. Albernie, B.C	London, Eng.	Lumber, gen.	9,275
Canadian Scottish	3	3	Brit.	Can. Nat. Steamships	Sydney, N.S.W.	Montreal,Canada	General	2,503
Marconi [2]	3	4	Pan.	D. Compodonico	BayanoRiver,R.P	Cristobal, C.Z.	Bananas	65
Mercury Sun [1] [2]	3	3	Amer.	Shell Oil Co.	Los Angeles, Cal.	Perth A'boy, N.J.	Gasoline	13,391
Moldanger [2]	3	3	Nor.	Interocean Line	Vancouver, B.C.	Rotterdam, Neth.	General	8,580
Mataroa	3	3	Brit.	Shaw, Savill & Albion	Auckland, N.Z.	London, Eng.	Frozen, gen.	3,870
Boren	3	3	Swed.	Transatlantic S.S. Co.	Apia, Samoa	London, Eng.	([17])	8,010
Tuira [2]	3	4	Pan.	Hans Elliot	Darien, R.P.	Cristobal, C.Z.	Bananas	41
Pacific President [2]	3	4	Brit.	Furness Withy & Co.	Vancouver, B.C.	Manchester, Eng.	General	8,847
Amerikaland [2]	4	4	Swed.	Ore S.S. Corp	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,650
Wind Rush	3	4	Amer.	Shepard S.S. Co	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,360
Point Sur	4	4	Amer.	Gulf-Pacific Mail Line	Portland, Oreg.	Lake Charles, La.	Lumber, gen.	3,239
Missourian [2]	4	4	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,171
Point Palmas	4	4	Amer.	Swayne & Hoyt	Portland, Oreg.	Mobile, Ala.	General	6,464
W.S. Miller [1]	4	4	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Kerosene	10,305
Ontariolite [1] [2]	4	5	Brit.	Imperial Oil Co.	Talara, Peru	Montreal,Canada	Crude oil	11,794
Marie Bakke [2]	4	5	Nor.	Knut Knutsen	Tocopilla, Chile.	Copenhagen,Den.	General	7,440
Herman Frasch	5	5	Amer.	Dutton Lumber Corp.	Tacoma, Wash.	New York, N.Y.	Lumber	5,500
Chickasaw City	5	5	Amer.	Isthmian S.S. Lines	Honolulu, T.H.	Baltimore, Md.	General	6,228
Cerigo	5	6	Ger.	Hamburg-Amer. Line.	Guayaquil,Ecuad	Cristobal, C.Z.	Coffee, gen.	630
Sutherland	5	6	Amer.	Charles Nelson Co.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	7,802
Chiwiwi [1] [3]	...	...	Amer.	F.E. Ehrman	Balboa, C.Z.	Gatun, C.Z.	Ballast	.....
Clydefield [1] [2]	6	6	Brit.	Naphtha In. & T.A.G.	Los Angeles, Cal.	Lands End [21]	Gasoline	9,180
Portmar	5	6	Amer.	Calmar S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Gen., lumber	2,821
Cape Ortegal	6	6	Brit.	Lyle Shipping Co	Taltal, Chile	Azores [21]	General	7,670
Chr. Sass [2]	6	6	Dan.	Isbrandtsen MollerCo	Iloilo, P.I.	New York, N.Y.	General	5,227
Columbia Maru [2]	6	6	Jap.	Mitsunishi Shoji K.	Kamchatka,Rus.	Liverpool, Eng.	([18])	4,843
Tulsagas [1]	6	6	Amer.	Tidewater Oil Co.	S. Francisco, Cal.	New York, N.Y.	([19])	9,760
San Clemente	7	7	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,220
Libertador [2]	6	8	Pan.	N. Pinel	Panama, R.P.	Cristobal, C.Z.	Bananas	38
Harberton	7	7	Brit.	Saltera Anglo-Chile	Iquique, Chile	Azores [21]	Nit'e of soda	7,850
J. L. Luckenbach.	7	7	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,240
Nuevo Panama [2]	7	8	Pan.	Elliot Ship & LandCo.	B'ventura, Col.	Cristobal, C.Z.	Coffee	217
Santa Ana	7	8	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	General	3,262
Atago Maru [2]	7	8	Jap.	Nippon Yusen Kaisha	Iloilo, P.I.	New York, N.Y.	Sugar, gen.	6,332
Asuka Maru [2]	7	8	Jap.	Nippon Yusen Kaisha	Manila, P.I.	New York, N.Y.	General	2,180
E. J. Hooper No. 2 [5] [20]	...	...	Amer.	E. J. Hooper	Miraflores, C.Z.	Gatun Lake, C.Z.	.....	.....
No. 4288 [14]	...	...	Amer.	E. J. Hooper	Miraflores, C.Z.	Gatun Lake, C.Z.	R'y material.	.....
No. 4726 [14]	...	...	Amer.	E. J. Hooper	Miraflores, C.Z.	Gatun Lake, C.Z.	R'y material.	.....
Santa Olivia	7	8	Amer.	Grace Line	Arica, Chile	New York, N.Y.	General	4,165
Trafalgar	8	8	Brit.	Chilean Nitrate Corp.	Ant'fagasta,Chile	Pensacola, Fla.	Nitrate	7,298
Vega	8	11	Amer.	U.S. Navy	Puget Sd., Wash.	Norfolk, Va.	Navy stores.	2,610
El Aleto [1] [2]	8	8	Brit.	Anglo-Ecuad. Oil Co.	LaLibertad,Ecua.	Philadelphia, Pa.	Crude oil	10,289
Dragon [1] [2]	5	9	Brit.	British Navy	Long Beach, Cal.	Kingston,Jamaica	Displacement	5,303
Winnipeg	9	10	Fr.	French Line	Vancouver, B.C.	Le Havre, France	General	7,060
Izgled	9	9	J-Slav.	Chilean Nitrate Co.	Ant'fagasta,Chile	Azores [21]	Nitrate	7,150
Point Montara	9	9	Amer.	Continental Grain Co.	Seattle, Wash.	Galveston, Texas	Wheat	5,200
Durazzo	9	10	Ger.	Hamburg-Amer. Line.	Guayaquil,Ecuad	Cristobal, C.Z.	General	467
Steelmaker	9	9	Amer.	Isthmian S.S. Lines	S. Francisco, Cal.	Baltimore, Md.	General	9,040
Santa Rosa	9	10	Amer.	Grace Line	Seattle, Wash.	New York, N.Y.	General	4,511
Seattle [2]	9	11	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	8,193
Katrina Luckenbach.	9	10	Amer.	Luckenbach Line	Portland, Oreg.	Mobile, Ala.	General	8,000
D. G. Scofield [1]	9	10	Amer.	Standard Shipping Co	Los Angeles, Cal.	Providence, R.I.	Fuel oil	11,036
Los Angeles [1]	9	10	Amer.	Standard Oil Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,630
Oregonian	10	10	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	8,071
New Westminster City.	10	11	Brit.	Mitsubishi Shoji K.	Dairen, China	Azores [21]	Soy beans	7,927
Lapwing [4]	10	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [12] Cruiser. [13] Outboard motor. [14] Barge. [15] Wood, coconut oil. [16] Grain, lumber, general. [17] Ore, copra, shells. [18] Canned fish and silk. [19] Gasoline and lubricating oil. [20] Towing barges. [21] For orders.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
H. M. Storey [1]	10	11	Amer.	James B. Berry Co.	Los Angeles, Cal.	Tiverton, R.I.	([13])	15,570
Gracia	11	11	Brit.	Donaldson Brothers	Vancouver, B.C.	Glasgow, Scotland	General	6,113
Lochmonar [2]	10	11	Brit.	Royal Mail Lines	Vancouver, B.C.	Rotterdam, Neth.	General	9,866
Kirishima Maru [2]	11	11	Jap.	Kokusai Kisen Kaisha	Manila, P.I.	New York, N.Y.	Silk, general	4,576
Nankai Maru [2]	11	12	Jap.	Osaka Shosen Kaisha	Hongkong, China	New York, N.Y.	General	3,200
Nosa Chief	11	12	Amer.	N.O. & S.A.S.S. Co.	Ant'fagasta, Chile	New York, N.Y.	([14])	3,801
Santa Maria [2]	11	12	Amer.	Grace Line	San Antonio, Chile	New York, N.Y.	General	3,467
R. L. Hague [1] [2]	11	12	Ital.	Standard Oil of N.J.	Talara, Peru	Rotterdam, Neth.	Gasoline	15,743
Falsterbo [2]	11	12	Swed.	Inter. Freighting Corp.	Tocopilla, Chile	Mobile, Ala.	Nitrate	6,617
Goolistan	12	12	Brit.	Anglo-Can. Ship. Co.	N. West'er, B.C.	Manchester, Eng.	([15])	9,796
Pomona	12	12	Amer.	Pomona S.S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber	9,589
F. J. Luckenbach	12	12	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	8,117
City of Elwood [2]	12	13	Amer.	Roosevelt S.S. Co.	Iloilo, P.I.	New York, N.Y.	Sugar, gen.	7,651
Gaelic Star	12	12	Brit.	Blue Star Line	Vancouver, B.C.	Newcastle, Eng.	Fruit, gen.	9,796
Real [2]	12	13	Pan.	Hans Elliot	Panama, R.P.	Cristobal, C.Z.	Ballast	.....
Reina del Pacifico [2]	12	13	Brit.	Pacific Steam Nav. Co	Talcahuano, Chile	Liverpool, Eng.	([16])	5,888
California	13	14	Ital.	Nav. Libera Triestina	Vancouver, B.C.	Genoa, Italy	General	9,311
Langleebrook	12	13	Brit.	Nitrate de Chile	Ant'fagasta, Chile	Azores [20]	Nitrate, bags	9,390
Bodegraven	13	14	Neth.	Royal Neth. S.S. Co.	Valparaiso, Chile	Hamburg, Ger.	([17])	8,006
Kansan	13	13	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	5,910
Aldington Court	13	13	Brit.	Canadian Transp. Co.	Vancouver, B.C.	Antwerp, Belg.	([18])	8,700
Steel Voyager	13	13	Amer.	Isthmian S.S. Lines	Honolulu, T.H.	Philadelphia, Pa.	Sugar	8,905
Nuevo Panama [2]	13	14	Pan.	Elliot Ship. & Land Co	B'ventura, Col.	Cristobal, C.Z.	Coffee	214
Trimountain [1]	13	13	Amer.	Home Oil Co	Los Angeles, Cal.	New York, N.Y.	Furnace oil	9,390
Silksworth	13	13	Brit.	Chilean Sales Corp.	Iquique, Chile	Savannah, Ga.	Nitrate	7,820
Pennmar	13	14	Amer.	Calmar Line	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	2,143
Acajutla	13	..	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C.Z.	General	81
Minden	14	14	Ger.	North German Lloyd.	Valparaiso, Chile.	Hamburg, Ger.	General	5,360
Hanover	14	14	Amer.	Amer.-Gulf-Orient	Victories, P.I.	New Orleans, La.	General	8,480
Golden River	13	14	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Newburgh, N.Y.	Lumber, gen.	6,165
Cali	14	16	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	770
Ashburton [2]	14	15	Brit.	Australind S.S. Co.	Mackay, Aust.	Halifax, N.S.	Sugar	7,593
Wilhelm A. Riedemann [1] [2]	14	14	Danz.	Standard Oil Co.	Talara, Peru	S'ampton, Eng.	Crude oil	15,504
Forbes Hauptman	14	14	Amer.	McCormick S.S. Co.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	6,755
Australia [1] [2]	14	15	Amer.	The Texas Co.	Los Angeles, Cal.	New York, N.Y.	Gasoline	16,570
Sirius	14	...	Amer.	U.S. Navy	San Diego, Cal.	Norfolk, Va.	Navy stores	4,089
Margaret Johnson. [2]	15	15	Swed.	Johnson Line	Vancouver, B.C.	Stockholm, Swed.	General	5,474
W. S. Rheem [1]	15	15	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	14,852
Glasgow Maru	15	15	Jap.	Kokusai Kisen Kaisha	Yokohama, Japan	Wilmington, N.C.	Sulph'te am.	7,550
President Pierce	15	16	Amer.	Dollar Line	S. Francisco, Cal.	New York, N.Y.	General	4,968
Kota Inten [2]	15	15	Neth.	Pacific-Java-Bengal	S. Francisco, Cal.	Calcutta, India	([19])	6,716
Nevadan	15	15	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	8,322

[1] Tanker. [2] Motor ship. [13] Furnace oil and kerosene. [14] Sulphur and sugar. [15] Lumber, wheat, lead. [16] Copper, cotton, general. [17] Nitrate, cotton, ores, general. [18] Concentrates, lumber, general. [19] Asphalt, lumber, general. [20] For orders.

Canal Traffic for First Fifteen Days of October

During the first 15 days of October 1933, 217 commercial vessels and 4 small nonseagoing launches under 20 tons measurement transited the Canal. Tolls on the commercial vessels aggregated $949,974.99, and on the launches, $43.95, or a total tolls collection of $950,018.94.

The daily average of commercial vessels was 14.47, and the daily average tolls collection was $63,331.67, as compared with an average of 13.27 transits and $58,585.29 in tolls for the first 15 days of the previous month, and an average of 11.80 transits and $51,538.70 in tolls for the first 15 days of October 1932. Commercial traffic showed an increase of 18 transits and $71,195.67 in tolls (9.0 percent and 8.1 percent, respectively) in comparison with the first 15 days of the previous month, while in comparison with the first 15 days of October 1932, it registered a gain of 40 transits and $176,894.47 in tolls (22.6 percent and 22.9 percent, respectively).

Notice to Mariners—Wrecks on Quita Sueño Bank, Caribbean Sea

Panama Canal Notice to Mariners No. 210 quotes the following from the Hydrographic Office notice No. 39, dated Washington, D.C., September 30, 1933:

The commanding officer of the U.S.S. *Indianapolis* reports that on September 10 he observed two wrecks stranded on Quita Sueño Bank. One of the wrecks was the steamer *Negada*, of Valparaiso, which was stranded and abandoned at a point on the eastern edge of the bank 12 miles, 182° from the lighthouse. The other was the wreck of a 2-masted sailing vessel which was stranded at a point about 22 miles, 183° from the lighthouse.

Approximate position of lighthouse, latitude 14°28′ N., longitude 81°07′ W.

Principal Commodities Through the Canal, Fiscal Year 1933

Mineral oils were the leading commodity shipped through the Panama Canal during the year ending June 30, 1933, as they had been for 10 years preceding. In the fiscal year 1922 the tonnage of manufactures of iron and steel passing through the Canal had first place among commodities, but with the development of the California oil fields during the following year mineral oils took first place, a position they have held every year since.

In the fiscal year 1933 the mineral oil shipments from the Pacific to the Atlantic amounted to 3,506,356 tons, and from the Atlantic to the Pacific the mineral oil shipments were 407,492 tons. They were the leading commodity from the Pacific and the third in importance from the Atlantic.

The two commodities from the Atlantic which exceeded mineral oils were manufactures of iron and steel, 502,503 tons, and raw cotton, 432,043 tons.

In the trade from the Pacific, in addition to mineral oils there were four commodities which exceeded in volume any commodity from the Atlantic, namely, wheat, 2,368,892 tons; sugar, 1,667,496 tons; lumber, 1,549,483 tons; and canned goods, 865,716 tons. The leading commodity from the Atlantic ranked sixth in the commodities passing through the Canal in either direction.

The classes of commodities in which shipments exceeded 10,000 tons during the year numbered 29 from the Atlantic and 26 from the Pacific. Of the 29 principal commodities from the Atlantic to the Pacific, 24 showed a loss, and of these, 22 were lower than in any of the three years immediately preceding. Gains were recorded in shipments of five items, viz., paper, scrap metal, tobacco, corn, and glass and glassware. Of these increases, the gains in the shipments of scrap metal and corn were the most outstanding, 212 percent and 114 percent, respectively, over the preceding fiscal year. Commodities which showed the largest percentage of decline were slag (63.1 percent); creosote (60.2 percent); ammonium compounds (51.3 percent); cotton (42.2 percent); phosphates (35.6 percent); and manufactures of iron and steel (35.7 percent).

Of the 26 principal commodities moving from the Pacific to the Atlantic, increases occurred in the 11 following items: Mineral oils, guano, wheat, sugar, canned goods, fresh fruit, barley, coffee, flour, copra, and raw cotton. The remaining 15 items were lower than in 1932 and 12 of them were smaller than in any of the three preceding years. The most important increases, with the percentage of gain over the preceding year, were in the following commodities: Flour (45.9 percent); barley (37 percent); wheat (32.3 percent); sugar (28.4 percent), and coffee (22 percent). Shipments of guano made a gain of 241 percent, from 17,505 to 59,688 tons, but the relatively small quantities involved render the large percentage gain of minor significance.

Four commodities exceeded 1,000,000 tons, the same number as in 1932, and also all from the Pacific to the Atlantic; these were mineral oils, wheat, sugar, and lumber. There were 7 commodities in this class in 1931, of which one, manufactures of iron and steel, was from the Atlantic.

Atlantic to Pacific.—Manufactures of iron and steel, as in the past, formed the largest commodity group moving in this direction, comprising 11.1 percent of the total in this direction, in comparison with 13.0 percent in 1932. The decrease in tonnage of this commodity amounted to 278,991 tons compared with the previous year, or 35.7 percent. The major decreases occurred in the United States intercoastal trade which declined 170,282 tons, or 36.9 percent; Europe to the west coast of the United States showed a loss of 26,955 tons, or 45.1 percent; Europe to Australasia showed a loss of 21,800 tons, or 40.8 percent; and the United States to the Far East (including the Philippine Islands), showed a loss of 24,641 tons, or 25 percent.

Shipments of raw cotton comprised the second largest commodity from the Atlantic, but declined 315,453 tons, or 42.2 percent, compared with the previous year. Practically all of this loss occurred in shipments routed from Gulf ports of the United States to the Far East, which route absorbed nearly 99 per cent of all cotton shipments in this direction.

Shipments of mineral oils from the Atlantic declined 111,006 tons, or 21.4 percent, compared with 1932. Scrap metal gained 185,718 tons, or 211.9 percent, which brought it from tenth to fourth place among commodities from the Atlantic. The largest part of these shipments was from the United States to Japan. Paper shipments increased 10,271 tons, or 4.8 percent. Corn shipments, almost all of which were routed from Gulf ports of the United States to the west coast of the United States, showed a gain of 68,344 tons, or 113.9 percent.

Pacific to Atlantic.—Four of the five commodities of the greatest tonnage in this direction in 1933 made increases in comparison with 1932. Mineral oils, which aggregated more than a million tons in excess of the next principal commodity, showed

a gain of 389,512 tons, or 12.5 percent. Wheat made a gain of 578,362 tons, or 32.3 percent, over the 1932 shipments and supplanted lumber as the second most important commodity. Most of this wheat was routed from Canada to Europe. Sugar advanced from fourth to third position among the commodities by making a gain of 368,666 tons, or 28.4 percent, over shipments in 1932. The greater portion of this increase was made in shipments routed from the Philippine Islands to the United States, which registered a gain of 237,892 tons, or 43.7 percent; United States intercoastal shipments of sugar gained 82,270 tons, or 41.3 percent; and shipments from South America to Europe increased by 23,274 tons, or 10.6 percent.

Lumber shipments declined 580,304 tons, or 27.2 percent, compared with 1932, causing that commodity to drop to fourth position from second, which it had held in 1922 and from 1924 to 1932, inclusive. The loss in 1933 was chiefly in three trade routes—United States intercoastal, Canada to the United States, and the United States to Europe. Shipments routed from Canada to Europe showed a gain of 36,569 tons, or 24.3 percent.

Shipments of canned goods increased 77,980 tons in 1933, or 9.9 percent, chiefly over the United States intercoastal route.

Two important items which have been affected very adversely in the decline of commerce between nations are nitrate and ores. At the period of the greatest activity for nitrates, which occurred in 1928 and 1929, shipments surpassed 2,500,000 tons per year. Since then there has been a gradual decline, which was sharply accentuated in 1933, when shipments totaled 186,783 tons, dropping to tenth place. This export of Chile is destined principally to Europe and the United States. In former years, shipments of ores were composed principally of iron ore from Chile to the United States; the peak year was in 1930 when the total of all ores passing through the Canal from the Pacific to the Atlantic approximated 2,230,000 tons and 85.3 percent of the shipments were iron ore. With the severe curtailment of the steel industry shipments of iron ores dropped off and in 1933 were discontinued entirely. The aggregate of all ore shipments in 1933 was 90,518 tons, a loss of 85.4 percent compared with 1932.

Revision of The Panama Canal Telephone Directory

The copy for a revised telephone directory to be issued as of January 1, 1934, will go to the printer November 15, 1933. All changes or corrections in the present directory should be forwarded to the Telephone Supervisor, Balboa Heights, not later than November 1, 1933. Proof corrections will be made to December 1, 1933.

Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices, including the 25 percent surcharge, to individuals and companies, effective October 12, 1933:

Commodities	Unit	Price
Brass, bar, average	Lb.	$0.14
Brass, sheet, average	Lb.	.25
Bronze, Tobin, average	Lb.	.20
Gasoline, motor grade	Gal.	.10
Metal, yellow	Lb.	.19
Oakum, Navy, spun	Lb.	.16
Oakum, Navy, unspun	Lb.	.16
Oil, fuel, at Balboa and Cristobal, in bulk, no surcharge	Bbl. of 42 gals.	1.25
Oil, gun and ice machine	Gal.	.25
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, medium, in drums, No. 2135	Gal.	.24
Oil, engine, gas, extra heavy, in cases, No. 2250	Gal.	.30
Oil, engine, gas, extra heavy, in drums, No. 2250	Gal.	.24
Oil, kerosene, in drums	Gal.	.08
Oil, marine engine	Gal.	.31
Paint, lead, white, dry	Lb.	.11
Paint, lead, white, in oil	Lb.	.09
Paint, zinc oxide, dry	Lb.	.08
Paint, zinc oxide, in oil	Lb.	.09
Grease, gear, chain and wire rope, lubricating	Lb.	.04
Grease, yellow, cup, No. 3, medium	Lb.	.06
Grease, yellow, cup, No. 5, hard	Lb.	.08
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.06
Waste, cotton, white	Lb.	.08

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXVII. Balboa Heights, C.Z., November 15, 1933. No. 4.

Traffic Through the Panama Canal in October 1933

The total vessels of all kinds transiting the Canal during the month of October in the two preceding years and in 1933 are shown in this tabulation:

Class of vessels	October 1931	October 1932	October 1933		
			Atlantic to Pacific	Pacific to Atlantic	Total
Commercial ocean vessels	390	394	239	228	467
Commercial launches (under 20 tons)	9	9	4	7	11
Noncommercial vessels:					
United States Government	26	40	11	8	19
Vessels for repairs	4	.....	2	2	4
Byrd expedition	.....	.....	1	.....	1
Total	429	443	257	245	502

COMMERCIAL TRAFFIC[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried and tolls collected, from the commercial traffic transiting the Canal each month for the 12-month period ended October 31, 1933, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1931-32	1932-33	1931-32	1932-33	1931-32	1932-33	1931-32	1932-33
November	376	388	2,001,745	2,035,796	1,577,523	1,531,509	$1,762,036.19	$1,756,865.84
December	387	431	2,033,158	2,080,069	1,648,904	1,621,581	1,757,869.54	1,781,940.03
January	377	415	2,022,275	2,069,218	1,593,585	1,463,503	1,770,250.68	1,762,808.56
February	358	368	1,878,177	1,832,658	1,645,393	1,434,862	1,647,797.06	1,575,708.35
March	363	399	1,864,896	1,989,044	1,643,952	1,738,227	1,645,366.81	1,718,908.41
April	370	370	1,863,692	1,839,597	1,443,731	1,527,978	1,608,634.67	1,554,250.14
May	357	372	1,956,958	1,883,249	1,676,790	1,629,982	1,717,401.26	1,617,943.65
June	336	364	1,743,150	1,901,117	1,404,558	1,691,247	1,534,793.19	1,629,411.28
July	326	401	1,676,492	2,051,128	1,259,981	1,699,039	1,468,728.36	1,732,164.93
August	314	416	1,658,112	2,159,995	1,349,453	1,914,014	1,440,848.87	1,829,754.49
September	353	408	1,868,391	2,096,538	1,347,144	1,797,497	1,598,265.98	1,758,587.41
October	394	467	1,988,133	2,416,200	1,582,261	2,125,927	1,714,779.06	2,036,909.16
Total	4,311	4,799	22,555,179	24,354,609	18,173,275	20,175,366	19,666,771.67	20,755,252.25

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States, Panamanian, and Colombian Governments, including merchant vessels chartered by these Governments, and vessels transiting solely for repairs, do not pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Traffic by Nationality of Vessels for October 1933

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	91	[1]498,778	405,409	Japanese	19	107,869	111,654
Chilean	1	3,063	4,623	Netherland	7	47,590	30,853
Danish	15	70,176	52,773	Norwegian	27	138,274	122,746
Danzig	8	66,195	49,693	Panamanian	38	19,237	5,006
French	6	36,624	32,213	Peruvian	2	[2]1,587	1,792
German	23	84,931	81,002	Swedish	13	54,235	80,635
Greek	2	8,294	8,140	United States	206	1,214,295	1,081,829
Italian	6	50,739	31,819	Yugoslav	3	14,313	25,740

[1] Includes naval vessel of 5,303 tons displacement in transits but not in tonnage.
[2] Includes naval vessel of 1,790 tons displacement in transits but not in tonnage.

Traffic by Trade Routes, October 1933

The movement of vessels over trade routes is summarized in the following table. They are classified according to primary origin and ultimate destination of the voyage through the Canal and the cargo listed is the total aboard at time of transit. Cargo may be laden or discharged between the terminal areas indicated, hence in the cargo listed below there may be some which had other origin or destination:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	90	538,881	199,055	79	472,935	656,216
East coast United States and:						
Canada	4	18,249	3,131	3	16,363	26,498
Central America	2	4,291	.....	3	6,281	1,965
South America	9	45,468	8,213	19	77,347	184,397
Hawaiian Islands	.....	.....	.....	4	20,734	29,311
Australasia	7	38,947	39,182	1	5,051	8,000
Philippine Islands	7	44,093	26,763	9	56,573	49,189
Far East	24	133,069	125,352	6	29,514	35,397
Europe and:						
United States	2	11,343	1,082	2	11,564	21,078
Canada	34	199,735	41,311	34	203,038	265,254
Central America	1	4,118	5,371	1	2,312	3,818
South America	16	111,239	16,591	24	140,610	222,124
Australasia	6	58,139	18,463	4	35,670	23,655
Far East	.....	.....	.....	2	10,215	12,770
Canadian intercoastal	.....	.....	.....	2	7,553	10,365
East coast Canada and:						
South America	2	7,885	.....	1	5,278	11,794
Australasia	3	14,994	6,036	3	12,605	11,934
Far East	1	4,639	7,287	.....	.....	.....
East coast Central America and:						
Canada	2	80	.....	.....	.....	.....
South American intercoastal	1	488	945	1	1,587	1,792
East coast South America and:						
United States	.....	.....	.....	1	5,424	2,940
Canada	2	8,702	8,721	1	5,033	7,451
Far East	1	5,798	3,515	.....	.....	.....
Cristobal and:						
Central America	5	1,511	1,026	2	1,445	151
South America	10	4,737	1,966	10	5,424	4,424
Balboa	7	277	.....	13	458	530
West Indies and:						
Far East	1	5,542	10,750	.....	.....	.....
Around the world	1	8,495	3,398	1	5,974	6,716
Foreign vessels in ballast (U.S. intercoastal)	1	6,492	.....	.....	.....	.....
Vessels not engaged in commerce (naval)	.....	.....	.....	2	.....	.....

Origin and Destination of Cargo, by Major Areas

The following table summarizes the origin of cargo passing through the Canal in October 1933 and its destination by major geographical and trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	201,197	9,717	147,368	6,065	39,182	403,529
Other North America	589	2,765	18,137	6,248	6,036	33,775
Europe	24,803	21,797	.....	14,082	18,463	79,145
Miscellaneous	9,729	17	1,018	945	.....	11,709
Total	236,318	34,296	166,523	27,340	63,681	528,158

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	663,231	9,392	134,684	9,501	816,808
Canada	6,837	13,545	148,425	1,909	170,716
Other North America	32,131	1,321	4,158	.....	37,610
South America	182,688	20,510	219,478	1,855	424,531
Australasia	9,125	10,809	23,655	.....	43,589
Asia	90,115	1,801	12,509	90	104,515
Total	984,127	57,378	542,909	13,355	1,597,769

Principal Commodities

Commodities which aggregated 10,000 or more tons either during the past month or in the corresponding month in 1932 are listed below:

Commodity	October 1932	October 1933
Atlantic to Pacific	*Long tons*	*Long tons*
Asphalt and tar	10,232	5,175
Automobiles and accessories	6,054	11,755
Canned goods, various	9,482	11,174
Coal and coke	5,873	20,564
Corn	11,755	6,070
Cotton	34,243	58,634
Iron and steel, manufactures of	42,947	72,495
Oils, mineral	34,575	48,758
Paper	17,941	16,938
Phosphates	239	16,738
Scrap metal	493	28,429
Sulphur	25,458	43,392
Tinplate	3,707	13,436
Tobacco	13,060	6,001
Pacific to Atlantic		
Ammonium compounds	.....	18,699
Barley	25,825	9,630

Commodity	October 1932	October 1933
Pacific to Atlantic—Continued	*Long tons*	*Long tons*
Beans, edible	10,737	13,134
Canned goods, various	142,207	119,340
Cold storage (food products)[1]	6,085	14,498
Copra	3,191	10,045
Flour	12,521	22,091
Fruit, dried	65,996	47,343
Fruit, fresh	22,272	21,417
Guano	14,830	.....
Lumber	130,428	173,016
Metals, various	42,255	51,912
Nitrates	1,770	104,220
Oils, mineral	263,213	460,504
Oils, vegetable	3,618	17,088
Ores, principally iron	4,996	130,134
Paper	9,130	11,612
Sugar	127,028	114,961
Wheat	194,269	95,163
Wood pulp	10,715	12,778

[1] Does not include fresh fruit.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of October 1933, as reported in the cargo declarations, showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations small items are frequently grouped under the designation of "general cargo"; the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal: Atlantic to Pacific	United States intercoastal: Pacific to Atlantic	Total for all trade routes including U.S. intercoastal: Atlantic to Pacific	Total for all trade routes including U.S. intercoastal: Pacific to Atlantic
Agricultural implements	494	.....	1,172	44
Alfalfa meal	.....	679	.....	724
Ammonium compounds	124	.....	5,348	18,699
Animal foods[1]	51	677	51	759
Apparel, wearing (hats, shoes, clothing, etc.)	218	19	220	80
Asbestos	199	.....	459	.....
Asphalt and tar	135	82	5,175	2,917
Automobiles (and autotrucks)	2,410	16	6,475	18
Automobile parts and accessories	550	130	5,280	137
Bags and bagging, textile	102	36	907	109
Bananas	.....	.....	.....	2,465
Barks, miscellaneous	.....	427	.....	787
Barley	.....	34	.....	9,630
Beans, edible, dry	45	9,365	45	13,134
Beer	137	.....	182	5
Beverages, nonalcoholic	360	.....	360	.....
Blood and tankage	.....	.....	.....	61
Bones and bone meal	.....	.....	3,031	.....
Books and printed matter	13	.....	28	.....
Borax	.....	366	.....	7,642
Bran and pollards	.....	.....	495	2,288
Bricks and tile	677	.....	978	.....
Camphor, crude	.....	.....	.....	116
Canned and preserved goods:				
Fish	282	10,759	572	30,522
Fruit	265	38,252	284	64,193
Meat	201	165	584	197
Milk	19	685	273	895
Soup	2,348	782	2,408	782
Vegetables	2,388	7,509	2,473	7,544
Miscellaneous and unclassified	4,180	12,420	4,580	15,207
Carbon black	342	.....	893	.....
Celite	.....	972	.....	1,070
Cement	346	577	4,525	638
Chalk	.....	.....	717	.....
Charcoal	.....	22	.....	22
Chemicals[1]	3,070	2,873	6,557	2,952
Clay, china and fire	256	.....	1,788	.....
Clay, filtering	.....	258	.....	258

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Coal	2,435	.....	14,471	515
Cocoa and cacao beans	130	132	344	575
Coconuts and products [1]	18	581	90	924
Coffee	408	76	5,579	5,760
Coke	773	.....	6,093	.....
Cold storage and refrigerated products:				
Dairy products	207	27	409	7,302
Eggs	.....	171	.....	411
Fish	.....	100	7	1,501
Lard	92	.....	95	.....
Meats	.....	.....	66	5,082
Poultry	.....	35	.....	35
Vegetables	.....	49	.....	49
Other and unclassified	328	22	354	118
Confectionery	947	.....	1,065	.....
Copra	.....	.....	.....	10,045
Copra meal and cake	.....	.....	.....	45
Corn	6,070	.....	6,070	.....
Cotton, raw	75	218	58,634	5,483
Creosote	.....	.....	24	.....
Drugs and medicines	1,106	131	1,208	131
Dyes	140	.....	463	.....
Earthenware	18	14	251	175
Eggs, dried	.....	.....	.....	12
Electrical apparatus and appliances	563	132	634	164
Explosives	10	42	124	64
Extract, quebracho	.....	.....	451	.....
Fertilizers [1]	55	154	1,707	154
Fish, salted or dry cured	19	.....	120	58
Fish meal	.....	.....	.....	3,639
Floor coverings	1,494	601	1,617	928
Flour	136	17,258	986	22,091
Fruit, dried	138	23,848	306	47,343
Fruit, fresh [1]	134	3,604	207	21,417
Furniture and household goods	1,004	279	1,017	284
Gallnuts	.....	.....	.....	26
General	18,706	8,887	42,306	18,275
Glass and glassware	3,013	156	4,273	547
Glue	89	209	707	210
Groceries	1,188	249	1,510	288
Guano	26	.....	26	.....
Gums	.....	80	.....	115
Hair, all kinds	.....	29	91	103
Hay	.....	1,041	.....	1,410
Hemp, unmanufactured	.....	367	.....	2,080
Honey	.....	203	.....	360
Hops	.....	59	9	70
Horns and hoofs	18	.....	68	92
Infusorial earth	.....	600	.....	728
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	48,090	1,112	72,495	1,235
Ivory nuts	.....	.....	119	2,843
Jute, unmanufactured	.....	21	.....	21
Lard substitute	357	.....	357	.....
Lime	29	.....	54	.....
Liquors	138	3	713	461
Lumber (including manufactured mill products)	3,173	93,543	3,291	173,016
Machinery	2,423	320	7,620	495
Malt	12	.....	186	.....
Manufactured goods [1]	4,289	727	8,179	2,805
Marble and granite	43	.....	183	.....
Matches	42	216	45	1,517
Metals:				
Antimony	.....	18	.....	203
Copper	42	12,207	42	31,733
Gold and silver	.....	.....	70	17
Iron	1,604	.....	2,027	3
Lead	.....	258	320	8,804
Tin	.....	89	460	1,474
Zinc	55	.....	970	4,735
Other and unclassified	80	834	80	4,943
Milk, powdered	8	160	18	247
Molasses and syrups	301	.....	314	.....
Nitrates	115	.....	180	104,220
Nuts, edible (including meats)	184	1,126	230	3,647
Oats	26	930	105	3,885
Oils, mineral:				
Crude	.....	.....	28	84,363
Gas and fuel	.....	187,025	1	192,081
Gasoline, benzine, and naphtha	8,675	114,922	8,882	164,289
Kerosene	638	17,805	11,390	18,277
Lubricating and greases	18,977	1,401	28,457	1,494

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Oils, vegetable:				
Coconut	.....	447	12	11,539
Cottonseed	3,470	.....	3,483	6
Linseed	387	.....	567	.....
Olive	.....	2	607	2
Rapeseed	.....	20	.....	679
Wood	.....	.....	.....	3,073
Other and unclassified	265	25	987	1,789
Oil, fish	73	1,690	104	1,742
Oil, whale	.....	.....	.....	20
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	.....	532	505	2,296
Oilseed cake and meal	135	.....	337	3,296
Ores:				
Antimony	.....	55	.....	162
Chrome	.....	.....	.....	8,000
Copper	.....	.....	.....	3,686
Gold and silver	.....	.....	.....	735
Iron	.....	.....	35	108,256
Lead	.....	.....	.....	4,040
Magnesite	.....	1,216	.....	1,216
Manganese	56	.....	56	.....
Tin	.....	.....	.....	1,150
Zinc	36	.....	73	2,744
Other and unclassified	23	78	23	145
Paints and varnishes	587	43	796	43
Paper and paper products [1]	6,941	5,881	16,938	11,612
Paper scrap	.....	22	568	22
Peanuts	474	.....	474	.....
Peas, dry	.....	244	95	4,132
Peatmoss	.....	.....	242	.....
Phosphates	385	.....	16,738	5
Plaster	.....	.....	15	.....
Porcelainware	274	165	309	4,135
Potash	680	4,244	727	6,029
Pyrethrum flowers	.....	27	.....	152
Rags and waste	81	252	505	992
Railroad material	26	.....	2,977	.....
Rice	744	1,859	1,168	4,287
Rope and twine	330	100	343	206
Rosin	784	.....	4,875	30
Rubber:				
Manufactured	881	277	1,375	349
Raw	.....	.....	.....	393
Scrap	.....	24	10	310
Salt	197	.....	5,358	.....
Sand	1,850	.....	3,439	.....
Scrap metal	553	486	28,429	656
Seeds (except oilseeds)	.....	425	321	605
Sewer pipe (concrete and terra cotta)	125	.....	125	.....
Shells, oyster	317	.....	317	.....
Silk, raw	.....	1,322	.....	2,696
Skins and hides	32	2,660	145	4,415
Slate	723	.....	723	.....
Soaps and products	2,347	127	2,372	175
Soda and sodium compounds	679	.....	3,106	1,127
Soy beans	.....	.....	.....	7,927
Sugar	.....	26,285	98	114,961
Sulphur	22,429	.....	43,392	8,613
Talc	.....	52	.....	52
Tallow	.....	.....	60	630
Tea	.....	81	144	2,176
Textiles [2]	4,610	752	7,464	1,927
Tinplate	1,255	22	13,436	22
Tobacco and manufactures	1,177	69	6,001	522
Toilet preparations	121	43	129	202
Turpentine	131	.....	485	.....
Vegetables, dry [1]	47	28	89	96
Wall board	46	.....	46	.....
Wax, paraffin	.....	.....	1,004	.....
Wheat	.....	22,911	.....	95,163
Wines	13	551	194	1,162
Wood pulp	60	8,727	2,260	12,778
Wool	.....	2,311	19	5,279
Total, October 1933	201,197	663,231	528,158	1,597,769
Total, October 1932	154,308	469,165	372,459	1,209,802
Total, October 1931	171,238	543,897	481,635	1,281,035

[1] Except as otherwise classified. [2] Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during October 1933, classified according to trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	32	194,039	21,117	26	166,298	[1] 322,108
East coast of United States and South America	1	5,049	.....	1	5,049	10,289
United States and Far East	.....	.....	.....	1	3,787	[2] 6,650
East coast Canada and South America	1	5,513	.....	1	5,278	11,794
West Indies and Far East	1	5,542	10,750	.....	.....	.....
Europe and United States	.....	.....	.....	2	11,564	21,078
Europe and South America	7	55,551	.....	6	48,196	94,320
Total	42	265,694	31,867	37	240,172	466,239

[1] 962 tons discharged at Cristobal. [2] Coconut and wood oils.

Comparison of Canal Traffic in October 1933, with October Traffic in Previous Years

Calendar year	Month of October			Fiscal year	Average per month for fiscal year		
	Commercial transits	Panama Canal net tonnage	Tons of cargo		Commercial transits	Panama Canal net tonnage	Tons of cargo
1914	[1] 83	322,074	425,095	1915	[2] 102	361,197	465,567
1915	([3])	.....	.....	1916	63	199,687	257,843
1916	155	482,532	616,848	1917	150	483,213	588,213
1917	171	522,712	601,392	1918	172	547,839	627,669
1918	190	552,725	657,597	1919	169	510,416	576,385
1919	196	670,100	705,881	1920	206	712,170	781,208
1920	238	935,579	991,066	1921	241	951,323	966,601
1921	255	1,069,554	985,775	1922	228	951,455	907,075
1922	294	1,310,392	1,445,863	1923	331	1,550,482	1,630,656
1923	427	2,139,475	2,127,567	1924	436	2,179,073	2,249,559
1924	393	1,923,950	2,017,980	1925	389	1,904,596	1,996,570
1925	410	1,955,485	2,009,171	1926	433	2,064,549	2,169,787
1926	445	2,124,519	2,374,711	1927	456	2,185,651	2,312,351
1927	567	2,585,752	2,717,646	1928	538	2,454,886	2,469,226
1928	557	2,515,380	2,582,477	1929	534	2,468,483	2,555,250
1929	564	2,749,949	2,845,643	1930	515	2,498,385	2,502,519
1930	517	2,584,160	2,394,410	1931	461	2,316,012	2,090,233
1931	390	2,081,600	1,762,670	1932	376	1,968,785	1,650,667
1932	394	1,988,133	1,582,261	1933	375	1,901,823	1,514,811
1933	467	2,416,200	2,125,927	([4])	398	2,023,874	1,702,228

[1] Canal opened August 15, 1914. [2] Average for 10½ months of fiscal year ended June 30, 1915.
[3] Canal closed on account of slides. [4] Average first 10 months calendar year 1933.

Terminal Activities

Ships repaired during the month of October 1933 numbered 53, including 11 which were drydocked. Fuel oil in the quantity of 337,210 barrels was delivered as bunkers to 118 commercial vessels. Bunker coal amounting to 2,539 tons was delivered to 14 vessels. Sales of commissary supplies to ships aggregated $35,142.92.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving ..... tons	23,760	14,063	37,823
Local cargo shipped ..... tons	5,576	441	6,017
Cargo received for transshipment ..... tons	22,647	800	23,447
Cargo transshipped ..... tons	23,475	522	23,997
"Canal Zone for Orders" cargo:			
Number of receipts issued	101	68	169
Number of releases issued	789	339	1,128
Tons received	657	380	1,037
Tons withdrawn	518	362	880

All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
Ships entering						
All vessels, including those transiting Canal..	505	3,306,379	1,972,474	480	3,009,642	1,811,425
Vessels entering port but not transiting Canal.	59	350,660	195,588	20	47,432	25,993
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	120	869,542	511,909	91	686,179	402,657
Ships clearing						
All vessels, including those transiting Canal..	510	3,327,380	1,984,572	480	3,024,864	1,821,306
Vessels clearing port but not transiting Canal.	62	356,377	198,313	20	46,636	25,510
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	124	883,631	520,413	91	693,134	411,757

Cargo Discharged and Laden in Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, October 15, 1933, to midnight, November 15, 1933. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Acajutla, 0, 307; Manuel Armus, 0, 592; Magallanes, 0, 65; San Vicente, 111, 0; Veragua, 99, 486; Cordillera, 0, 411; San Blas, 27, 0; Benjamin Franklin, 0, 109; Knute Nelson, 1, 0; Carmelita, 1, 34; Cefalu, 100, 941; Nebraska, 177, 4; Simon Bolivar, 94, 3; Real, 33, 16; Jelling, 313, 0; Cristobal, 2,266, 471; Buenos Aires, 205, 0; R. L. Hustler, 2, 0; Nuevo Panama, 240, 85; Quirigua, 691, 21; Zacapa, 629, 307; Santa Inez, 632, 0; Santa Elisa, 232, 2; Zenon, 20, 117; Santa Rita, 40, 351; Velma Lykes, 331, 147; Metapan, 510, 208; Haiti, 72, 260; Santa Paula, 145, 113; Simon Bolivar, 6, 102; Schwaben, 0, 56; Wyoming, 142, 138; San Jose, 62, 27; Boskoop, 0, 230; Manizales, 846, 131; San Francisco, 68, 183; Santa Elisa, 271, 60; Quirigua, 33, 211; Tai Yin, 527, 0; Cerigo, 738, 297; Governor, 207, 0; Contessa, 140, 559; Magdalena, 229, 32; Republic, 213, 50; Santa Barbara, 630, 1; Antares, 6, 0; Real, 0, 45; Victor Ross, 0, 29; Orduna, 94, 580; Buenaventura, 988, 421; Santa Maria, 277, 562; Santa Ana, 51, 372; San Rafael, 108, 0; Nuevo Panama, 236, 62; San Gill, 186, 0; President Van Buren, 2, 0; Peten, 209, 51; Corrillo, 646, 200; Salvador, 78, 811; Durazzo, 1,186, 345; Pastores, 169, 136½; President Lincoln, 539, 0; Leuna, 0, 210; Erfurt, 103, 471; Nevada, 285, 228; Virgilio, 49, 842; Santa Marta, 380, 137; Peten, 46, 564; Cuba, 73, 434; Portland, 76, 223; Damsterdyk, 171, 88; Dinteldijk, 0, 98; Peter Maersk, 92, 0; Laurits Swensen, 0, 30; Canadian Leader, 30, 423; Delilian, 180, 0; Cefalu, 233, 625; Crynssen, 103, 0; Isis, 72, 1; Magdalena, 0, 681; Norfolk Maru, 300, 0; Ancon, 1,654, 792; President Pierce, 4, 0; Nuevo Panama, 144, 117; Este, 36, 649; Balboa, 0, 49; Wisconsin, 18, 50; San Diego, 43, 50; Bennekom, 408, 38; Cali, 1,217, 527; Abraham Lincoln, 172, 0; Santa Teresa, 217, 36; Veragua, 629, 16½; San Gabriel, 290, 0; Turrialba, 727, 209½; Calamares, 454, 137; Santa Olivia, 59, 698; Colombia, 48, 386½; Santa Rosa, 140, 187; Crynssen, 0, 71; Canadian Victor, 0, 235; Pacific Ranger, 0, 112; Amasis, 189, 0; Caribia, 104, 2; Lisbon Maru, 215, 0; Canadian Highlander, 0, ½; West Ira, 51, 118; Santa Lucia, 117, 90; Veragua, 61, 366; Stella Lykes, 61, 76; Marta, 1½, 13; Laguna, 4½, 138½; Contessa, 560, 533; Chateau Thierry, 14, 5; Santa Clara, 1,066, 47; Nelson Traveler, 252, 0; Endurance, 0, 1; Real, 0, 35; Santa Barbara, 69, 600; Santa Elisa, 70, 158; Orazio, 124, 5; Mantilla, 5,648, 0; Guayaquil, 991, 543; Ludington, 411, ½; Quirigua, 356, 25; Sixaola, 503, 198; President Garfield, 2, 0; Democracy, 80, 0; Odenwald, 96, 558; Lochgoil, 17, 105; Acajutla, 238, 0; Davisian, 309, 0; Colombie, 80, 771; Colombia, 111, 0; Nuevo Panama, 85, 43; Sveajarl, 220, 0; Cerigo, 950, 0; Metapan, 189, 166; Haiti, 59, 216; Canadian Scottish, 0, 1½; Fella, 0, 30; Cellina, 47, 0; Juan S. Elcano, 125, 595½; Washington, 23, 0; Axel, Johnson, 0, 93; President Wilson, 374, 0; Quirigua, 57, 297; Los Angeles, 111, 128; San Blas, 16, 0; Alkmaar, 11, 163; Oakland, 122, 197; Cefalu, 171, 673; Sanyo Maru, 731, 0; Santa Isabel, 362, 43; San Clemente, 127, 0; Caribia, 0, 1,310; Ryoyo Maru, 438, 0; Lochkatrine, 309, 14.

BALBOA

Cali, 0, 300 pounds; San Blas, 1, 0; Rangitata, 57, 0; Geisha, 109, 0; Knute Nelson, 281, 0; Reliance, 6, 3; Nuevo Panama, 0, 50; California, 60, 4; Santa Elisa, 95, 1; Santa Rita, 7, 2; Hokoruka Maru, 74, 0; Antares, 29, 37; La Purisima, 7,600, 0; Talamanca, 332, 31; Santa Paula, 89, 11; Santa Elena, 37, 0; Republic, 1,055, 180; San Jose, 5, 37; Tai Yin, 2, 0; Santa Barbara, 3, 1; Santa Maria, 26, 23; President Van Buren, 1, 9; Santa Ana, 20, 51; Chiriqui, 292, 31; Point Bonita, 36, 0; Peter Maersk, 40, 0; California, 0, 10; Jacob Ruppert, 0, 4; Reginolite, 12,333, 0; Cali, 500 pounds, 0; Santa Maria, 12,330, 0; Santa Teresa, 5, 2; Virginia, 0, 61; Nuevo Panama, 91, 0; Abraham Lincoln, 562, 0; Santa Olivia, 53, 60; Santa Rosa, 65, 0; Antigua, 655, 111; Santa Lucia, 99, 28; Chateau Thierry, 196, 69; Tosca, 8, 550; Democracy, 1, 0; Santa Barbara, 48, 14; President Garfield, 3, 0; Santa Elisa, 51, 16; Nuevo Panama, 152, 0; Lochgoil, 50, 200 pounds; Iocoma, 325, 0; Acajutla, 1,000 pounds, 0; Ludington, 440, ½; Axel Johnson, 90 pounds, 500 pounds; Annie Johnson, 97, 31; Talamanca, 288, 188; Nuevo Panama, 0, 216; Bokuyo Maru, 58, 2; Sanyo Maru, 170, 0; San Blas, 134 pounds, 0; California, 0, 100 pounds; Santa Isabel, 17, 8.

Passengers

Ocean ship passengers disembarking at Cristobal numbered 1,451; embarking, 1,498; at Balboa, 527 disembarking and 620 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 2,874; from the Pacific to the Atlantic, 3,236. Aircraft numbering 43 entered Cristobal and 104 passengers disembarked; clearances were 42, with 94 passengers embarking. One aircraft entered Balboa, discharging one passenger; one aircraft cleared with no passengers embarking.

Movements of Ocean Vessels Through the Panama Canal

From midnight October 15, to midnight November 15, 1933

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Willkeno	15	16	Amer.	Williams S.S. Line	Baltimore, Md.	Seattle, Wash.	General	1,678
Arizona [2]	16	16	Amer.	The Texas Co	Pt. Arthur, Tex.	Los Angeles, Cal.	([13])	7,117
Athelempress [2] [2]	16	16	Brit.	Standard Oil Co	New York, N.Y.	Los Angeles, Cal.	Ballast	
Everleigh	16	16	Brit.	W. J. Taten & Co.	Cardiff, Eng.	Vancouver, B.C.	Ballast	
San Vincente	16	16	Amer.	Quaker Line	New York, N.Y.	Seattle, Wash.	General	3,242
Cali	14	16	Ger.	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	297
S. C. T. Dodd [2]	16	17	Amer.	Standard Oil Co	New York, N.Y.	S. Francisco, Cal.	Lub. oil	920
No. 101 [5]			Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Col. Riche [5]			Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	([14])	
Victor Ross [1] [2]	17	17	Danz.	W. Tankschiff Rhed'i	Havre, France	Talara, Peru	Ballast	
Lapwing [10]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	([15])	
S-48 [7]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Hofuku Maru	17	17	Jap.	Kokusai Kisen Kaisha	Chester, Pa.	Yawata, Japan	([16])	7,007
India [2]	16	17	Dan.	East Asiatic Co	Copenhagen, Den.	Vancouver, B.C.	Ballast	
Knute Nelson [2]	16	17	Nor.	Fred Olsen & Co	Oslo, Norway	Vancouver, B.C.	General	1,448
Rotorua	16	17	Brit.	N.Z. Shipping Co	London, England	Timaru, N.Z.	([17])	8,265
Irisbank [2]	17	17	Brit.	Bank Line	Boston, Mass.	Shanghai, China	General	3,062
Langleetarn	17	17	Brit.	Anglo-Can. Ship. Co	Newcastle, Eng.	Vancouver, B.C.	Ballast	
Minnesotan	17	18	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,252
Hudiksvall	16	18	Swed.	Max Vales	Manaure, Col.	Tumaco, Col.	Salt	945
Heranger [2]	17	18	Nor.	Interocean S.S. Co	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Marconi [3]	17	18	Pan.	A. Valdez	Cristobal, C.Z.	Panama, R.P.	Ballast	
Nebraska	17	18	Brit.	Royal Mail Line, Ltd.	Rotterdam, Neth.	Vancouver, B.C.	General	1,194
Svealand [2]	17	18	Swed.	Ore S.S. Corp.	Sparrows Pt., Md.	Cruz Gr'de, Chile	Ballast	
Antietam [2]	16	18	Amer.	Shell E.P. Prod. Corp.	New York, N.Y.	Los Angeles, Cal.	Ballast	
Cape Verde	11	18	Brit.	Lyle Shipping Co	Swansea, Eng.	Sta. Rosalia, Mex.	Coal	5,371
Lieut. Col. H. C. Schumm [4]			Amer.	U.S. Army	Cristobal, C.Z.	Ped. Miguel, C.Z.	Ballast	
Sambu [3]	17	18	Pan.	Hans Elliot	Cristobal, C.Z.	Panama, R.P.	Ballast	
Real [3]	17	18	Pan.	Hans Elliot	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	42
Eleanor Christenson.	19	19	Amer.	Sudden & Christenson	New York, N.Y.	Seattle, Wash.	([18])	2,384
Katsuragi Maru [2]	19	19	Jap.	Kokusai Kisen Kaisha	New York, N.Y.	Kobe, Japan	([19])	5,611
Horace Luckenbach.	19	19	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,470
Akaroa	19	20	Brit.	Shaw, Savill & Albion	London, Eng.	Auckland, N.Z.	General	2,550
Buenos Aires [2]	18	19	Swed.	Johnson Line	Goth'burg, Swed.	Vancouver, B.C.	General	4,386
Charles R. McCormick.	19	19	Amer.	McCormick S.S. Co.	Norfolk, Va.	Tacoma, Wash.	General	4,272
President Wilson.	19	20	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	2,348
California	20	20	Amer.	Panama-Pacific Line.	New York, N.Y.	S. Francisco, Cal.	General	2,805
Santos Maru [2]	19	20	Jap.	Osaka Shosen Kaisha.	Buenos Aires, Arg.	Kobe, Japan	General	3,515
Herman F. Whiton	19	20	Amer.	Union Sulphur Co.	Galveston, Texas	Tacoma, Wash.	([20])	5,630
Pacific Reliance [2]	19	20	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B.C.	General	576
Siamese Prince [2]	20	20	Brit.	Furness Prince Line	New York, N.Y.	Hongkong, China	General	2,831
Amerikaland [2]	20	20	Swed.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Ouiatchouan [2]	20	22	Brit.	Union Nav. Co., Belize	Belize, Brit. Hon.	Vancouver, B.C.	Ballast	
Nuevo Panama [2]	19	21	Pan.	Elliott Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	100
Santa Rita [2]	20	21	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	875
Acajutla	14	21	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	306
Athelregent [1] [2]	20	21	Brit.	H. P. Drewry	Swansea, Eng.	La Libertad, Ecu.	Ballast	
Vermar	21	21	Amer.	Calmar S.S. Corp.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,762
Alaskan	21	21	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,205
Bonneville [2]	21	21	Nor.	A.F. Klaveness & Co.	Baltimore, Md.	Victoria, B.C.	Ballast	
Zenon	20	21	Fr.	French Line	Havre, France	Coronel, Chile	([21])	721
Snestad [2]	21	21	Nor.	Fern Line	Houston, Texas.	Yokohama, Japan	Cotton	4,217
Santa Paula	21	22	Amer.	Panama Mail S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	3,114
E. M. Clark [2]	22	22	Amer.	Standard Ship. Co	New York, N.Y.	Los Angeles, Cal.	Ballast	
Mercury Sun [1] [2]	22	22	Amer.	Shell Oil Co	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Salvus	22	22	Brit.	W. H. Seager & Co.	Galveston, Tex.	Auckland, N.Z.	Sulphur	6,950
Boskoop	22	22	Neth.	Royal Neth. S.S. Co.	Hamburg, Ger.	Corral, Chile	General	1,234
F. Q. Barstow [1]	22	22	Amer.	Standard Ship. Co	New York, N.Y.	Los Angeles, Cal.	Ballast	
Libertador [3]	21		Pan.	National Nav. Co	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
El Sona [3]	21		Pan.	National Nav. Co	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
San Jose	22	23	Fr.	French Line	Havre, France	Vancouver, B.C.	([22])	2,811
Penrith Castle [2]	22	23	Brit.	Barber S.S. Line	New York, N.Y.	Moji, Japan	General	3,299
W. S. Miller [1]	22	23	Amer.	Shell Oil Co	Fall River, Mass.	Los Angeles, Cal.	Ballast	
Point Brava	23	23	Amer.	Swayne & Hoyt	New Orleans, La.	S. Francisco, Cal.	General	4,864
Steel Mariner	23	24	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Shanghai, China.	Gen., phos'te	4,408
Gisla [2]	23	23	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Los Angeles, Cal.	General	3,297
Gregalia	23	23	Brit.	Donaldson Bros.	Glasgow, Scot.	Vancouver, B.C.	General	537
San Francisco [2]	22	23	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	2,782
Larchbank [2]	23	24	Brit.	Andrew Weir & Co.	Galveston, Texas	Yarraville, Aus'lia	Sulphur	7,875

[1] Tanker. [2] Motor ship. [3] Motor schooner. [4] Tug. [5] Launch. [7] Submarine. [10] Mine sweeper. [13] Lubricating oil, kerosene. [14] Towing barge. [15] Towing submarine *S-48*. [16] Cotton, scrap steel, tinplate. [17] Iron, steel, salt, general. [18] Lubricating oil, general. [19] Cotton, tobacco, etc. [20] Sulphur, potash. [21] Iron, zinc, general. [22] Coke, iron, steel, sulphate, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Perry L. Smithers	23	24	Amer..	Northland Transp. Co.	Freeport, Tex...	Los Angeles, Cal.	Sulphur.....	5,587
Henry S. Grove..	24	24	Amer..	Argonaut Line.....	Albany, N.Y....	Seattle, Wash...	Gen., steel..	2,878
Welcombe.....	24	24	Brit...	Andrew Weir & Co...	Halifax, N.S....	Nauro.....	Ballast.....	.....
Steel Ranger.....	24	24	Amer..	Isthmian S.S. Lines..	Baltimore, Md...	Seattle, Wash...	Steel, gen...	4,643
Florence Luckenbach.	24	24	Amer..	Luckenbach Line....	New York, N.Y.	S. Francisco, Cal.	General.....	136
Mexican.....	24	24	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Tacoma, Wash..	General.....	2,363
Cerigo.....	23	24	Ger...	Hamburg-Amer. Line.	Cristobal, C.Z...	Guayaquil, Ecuad	General.....	292
Northern Sun [1, 2]	24	24	Amer..	Sun Oil Co.....	Perth A'boy, N.J.	Los Angeles, Cal.	Ballast.....	.....
Vino Tinto [5].....	23	...	Pan...	Standard Fruit Co...	Gatun, C.Z.....	Cristobal, C.Z...	([14])	.....
W. S. Farish.....	24	25	Amer..	Standard Ship. Co...	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Reginolite [1, 2].....	25	25	Brit...	Imperial Oil Co.....	Montreal, Can...	Talara, Peru....	Ballast.....	.....
Silverelm [2].....	25	25	Brit...	Silver Line, Ltd.....	New Orleans, La.	Kobe, Japan....	Cotton.....	4,706
S-13 [7].....	...	...	Amer..	U.S. Navy.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Hadleigh.....	25	25	Brit...	Anglo-Can. Ship. Co..	Cardiff, Wales...	Vancouver, B.C.	Ballast.....	.....
Tokai Maru [2].....	25	25	Jap...	Osaka Shosen Kaisha.	Philadelphia, Pa.	Kobe, Japan....	General.....	7,072
Missoula.....	25	26	Amer..	Stauffer Chem. Co....	Freeport, Tex...	Los Angeles, Cal.	Sulphur.....	5,913
Edward Luckenbach.	25	26	Amer..	Luckenbach Line....	Boston, Mass....	Seattle, Wash...	Ballast.....	.....
Sambu [3].....	24	26	Pan...	Hans Elliott.....	Cristobal, C.Z...	Pto. Arm'les, R.P.	Lumber.....	25
Orduna.....	25	26	Brit...	Pacific Steam Nav. Co	Liverpool, Eng..	Talcahuano, Chile	General.....	2,201
Skramstad [2].....	25	26	Nor...	Fern Line.....	Corpus Ch'ti, Tex.	Shanghai, China.	Cotton.....	4,419
Tacoma Star.....	26	26	Brit...	Blue Star Line.....	N. Shields, Eng..	Vancouver, B.C.	Ballast.....	.....
Lewis Luckenbach.	26	26	Amer..	Luckenbach Line....	New York, N.Y.	Seattle, Wash...	General.....	3,190
San Gill.....	26	27	Pan...	United Fruit Co.....	Pto. Colombia, Col	Pto. Arm'les, R.P.	Ballast.....	.....
Azumasan Maru [2].	26	27	Jap....	Mitsui & Co.....	New York, N.Y.	Nagasaki, Japan.	([15])	6,333
San Rafael.....	26	26	Amer..	States S.S. Co.....	New York, N.Y.	Seattle, Wash...	General.....	2,239
Standard [1].....	26	26	Amer..	Standard Ship. Co...	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Tuira [3].....	25	26	Pan...	Hans Elliot.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Santa Ana.....	26	27	Amer..	Panama Mail S.S. Co.	New York, N.Y.	S. Francisco, Cal.	General.....	2,374
President Van Buren.	27	27	Amer..	Dollar Line.....	New York, N.Y.	S. Francisco, Cal.	General.....	3,747
El Aleto [1, 2].....	26	27	Brit...	Anglo-Ecuad. Oil Co.	Philadelphia, Pa.	La Libertad, Ecu.	Ballast.....	.....
Flomar.....	27	27	Amer..	Calmar S.S. Corp....	Baltimore, Md...	Seattle, Wash...	Gen., steel..	4,219
Charles Edward [2].	27	..	Brit...	Union Navigation Co.	Belize, Br. Hond.	Vancouver, B.C.	Ballast.....	.....
Santa Maria [2]....	26	27	Amer..	Grace Line.....	New York, N.Y.	Valparaiso, Chile.	General.....	3,237
William Green [1]..	27	27	Amer..	Standard Ship. Co...	Baltimore, Md...	Los Angeles, Cal.	Ballast.....	.....
Nuevo Panama [2]..	26	28	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	B'ventura, Col...	General.....	75
M.A.S. [1, 3].....	24	...	Ital...	Geraci Francesco....	Naples, Italy....	Round the world.	Ballast.....	.....
Real [3].....	26	27	Pan...	Hans Elliot.....	Cristobal, C.Z...	Pto. Arm'les, R.P.	Gen., lumber	45
Tulsagas [1].....	27	28	Amer..	Tidewater Oil Co....	New York, N.Y..	S. Francisco, Cal.	([16])	1,187
Franz Klasen [1, 2].	27	28	Danz..	Baltic-Amer. Pet. Co.	Rotterdam, Neth.	Talara, Peru....	Ballast.....	.....
Port Gisborne [2]...	27	28	Brit...	Com'lth & Dom. Line	London, Eng....	Lyttleton, N.Z...	General.....	2,150
Wichita [2].....	27	28	Amer..	Roosevelt S.S. Co....	New York, N.Y.	Los Angeles, Cal.	General.....	1,913
Patrick Henry...	28	28	Amer..	Lykes Bros. Ripley Co.	Pensacola, Fla...	Manila, P.I.....	([17])	5,576
Peter Hurll [1, 2]...	28	28	Danz..	W. Tankschiff Rhed'i.	Vallo, Norway...	Talara, Peru....	Ballast.....	.....
Exanthia.....	28	28	Amer..	Shepard S.S. Co.....	Chester, Pa.....	Tacoma, Wash..	General.....	2,681
Pennsylvanian...	28	28	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Portland, Oreg..	General.....	2,808
Tuscan Star.....	28	28	Brit...	Blue Star Line.....	London, Eng....	Wellington, N.Z.	Ballast.....	.....
H. M. Storey [1]...	28	29	Amer..	James B. Berry Sons.	Tiverton, R.I....	Los Angeles, Cal.	Ballast.....	.....
City of Rayville [2].	28	29	Amer..	Roosevelt S.S. Co....	New York, N.Y.	Brisbane, Aust...	General.....	3,704
Sidney M. Hauptman.	29	29	Amer..	McCormick S.S. Co..	Albany, N.Y....	Tacoma, Wash..	([18])	1,593
Cerro Azul [1].....	29	29	Amer..	Union Oil Co.....	Baltimore, Md...	Los Angeles, Cal.	Ballast.....	.....
Gertrude Maersk [2]	29	29	Dan...	A. P. Moller.....	Baltimore, Md...	Cebu, P.I.....	General.....	6,180
D. G. Scofield [1]...	29	29	Amer..	Standard Oil Co.....	Fall River, Mass.	Los Angeles, Cal.	Ballast.....	.....
J. A. Moffett, jr [1, 2]	29	29	Amer..	Standard Ship. Co...	Baltimore, Md...	Los Angeles, Cal.	Ballast.....	.....
Gertrude Kellogg. [1]	29	30	Amer..	Kellogg S.S. Co.....	Houston, Tex....	S. Francisco, Cal.	([19])	3,250
Robin Goodfellow	30	30	Amer..	Luckenbach Line....	Houston, Tex....	Tacoma, Wash...	Steel, gen...	6,143
Hegira.....	30	30	Amer..	Pac. Coast Dir. Lines.	Norfolk, Va.....	Seattle, Wash...	General.....	616
Los Angeles [1].....	30	30	Amer..	Union Oil Co.....	Boston, Mass....	Los Angeles, Cal.	Ballast.....	.....
Manizales.....	22	30	Ger...	North German Lloyd.	Cristobal, C.Z...	Guayaquil, Ecuad	General.....	130
Erfurt [2].....	29	30	Ger...	North German Lloyd.	Hamburg, Ger...	Valparaiso, Chile.	General.....	2,803
Col. Riche [5].....	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	Gatun, C.Z.....	Ballast.....	.....
Jacob Ruppert....	30	3	Amer..	Byrd Expedition.....	Boston, Mass....	New Zealand....	Equipment..	.....
Damsterdyk [2]....	30	31	Neth..	Holland-Amer. Line..	Rotterdam, Neth.	Vancouver, B.C.	General.....	1,285
Willmoto [2].....	31	31	Amer..	Williams S.S. Line...	Baltimore, Md...	Seattle, Wash...	General.....	1,550
Taketoyo Maru..	31	31	Jap...	Nippon Yusen Kaisha	Baltimore, Md...	Kobe, Japan....	([20])	8,575
Bolton Castle....	31	31	Brit...	Garson Iron & Steel..	Newp't News, Va.	Yawata, Japan..	Scrap iron...	7,637
Prince Rupert City.	31	31	Brit...	Reardon Smith Line..	Cardiff, Wales...	Vancouver, B.C.	Ballast.....	.....
Gulfgem [1].....	31	31	Amer..	Gulf Refining Co....	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
American Oriole..	31	31	Amer..	Gen. Chemical Co....	Freeport, Tex...	Los Angeles, Cal.	Sulphur....	5,972

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [7] Submarine. [13] Yawl. [14] Towing barge. [15] Cotton, rosin, general. [16] Lubricating oil, grease. [17] Cotton, brick, etc. [18] Steel, pipe, general. [19] Cotton, linseed oil. [20] Phosphate, cotton, lubricating oil, steel, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Filleigh	31	1	Brit...	Dale & Co	Barry, England..	Vancouver, B.C.	Ballast	.....
Tilsington Court..	1	1	Brit...	United British Co....	Tyne, England..	Vancouver, B.C.	Ballast	.....
Marconi [3]	31	1	Pan...	A. Valdez	Cristobal, C.Z...	Balboa, C.Z.	Ballast	.....
Beljeanne [2]	1	1	Nor...	Anglo-Amer. Ship. Co.	Stavanger, Nor..	Vancouver, B.C.	Ballast	.....
Vancouver City [2]	1	1	Brit...	Sir W. R. Smith Sons.	Tampa, Fla	Shanghai, China.	([13])	8,344
Dilworth [1]	1	1	Amer..	Shell Eastern Pet. Co.	Baltimore, Md...	Los Angeles, Cal.	Ballast	.....
Pukkastan	1	1	Brit...	Anglo-Can. Ship. Co.	N. Shields, Eng..	Vancouver, B.C.	Ballast	.....
Dakotan	1	1	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash...	General	1,482
Sangstad [2]	1	1	Nor...	Fern Line	New Orleans, La.	Shanghai, China.	Cotton, gen.	4,470
Tuira [3]	31	2	Pan...	Hans Elliot	Cristobal, C.Z...	Panama, R.P....	Ballast	.....
Dorothy Luckenbach.	1	2	Amer..	Luckenbach Line	Boston, Mass....	Seattle, Wash...	General	2,065
Steel Trader	2	2	Amer..	Isthmian S.S. Lines..	Baltimore, Md...	Seattle, Wash...	Steel, gen...	4,692
Rangitane [2]	2	2	Brit...	N.Z. Shipping Co....	London, Eng....	Auckland, N.Z...	General	2,670
Nordhval [2]	2	2	Dan...	S.S. Co. "Norden"...	Chester, Pa	Cape Flattery [17]	Ballast	.....
Vancolite [1] [2]	2	2	Brit...	Imperial Oil Co.	New York, N.Y.	Talara, Peru	Ballast	.....
W. S. Rheem [1]	2	2	Amer..	Standard Ship. Co...	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Este	2	2	Ger...	North German Lloyd.	Hamburg, Ger...	Vancouver, B.C.	General	4,441
Oregon Express [2]	2	3	Nor...	Fruit Express Line...	Copenhagen, Den.	Seattle, Wash...	Ballast	.....
Real [3]	31	2	Pan....	Hans Elliot	Cristobal, C.Z...	Pto. Arm'les, R.P.	General	50
President Pierce..	2	3	Amer..	Dollar Line	New York, N.Y.	Manila, P.I.	([14])	2,129
Virginia	3	3	Amer..	Panama-Pacific Line..	New York, N.Y.	S. Francisco, Cal.	General	3,354
Silverteak [2]	2	3	Brit...	Kerr S.S. Co	New York, N.Y.	Singapore, St. Set.	Tobacco, gen.	2,278
Barbara Cates	3	3	Amer..	Sudden & Christenson	Jacksonville, Fla.	Tacoma, Wash..	General	2,664
Dryden	3	3	Amer..	Lykes Bros. Ripley Co	Houston, Tex....	Manila, P.I.	([15])	5,277
Nuevo Panama [2]	2	4	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	B'ventura, Col...	General	125
Trimountain [1]	3	4	Amer..	Home Oil Co	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Abraham Lincoln [2]	3	5	Nor...	Fred Olsen Line	Oslo, Norway...	Vancouver, B.C.	General	2,043
Chilore	3	4	Amer..	Ore S.S. Corp	Baltimore, Md...	Cruz Gr'de, Chile	Ballast	.....
City of Norwich..	3	4	Brit...	Ellerman & Bucknall.	Philadelphia, Pa.	Dairen, China	General	3,657
San Diego	3	4	Fr....	French Line	Havre, France...	Vancouver, B.C.	([16])	2,954
San Gabriel	4	4	Amer..	States S.S. Co	New York, N.Y.	Seattle, Wash...	General	2,502
Point Palmas	4	4	Amer..	Swayne & Hoyt	Houston, Tex....	Seattle, Wash...	General	4,062
Henry D. Whiton.	4	5	Amer..	Texas Gulf Sulphur..	Galveston, Tex..	Dupont, Wash...	Sulphur	6,200
Arizonan	4	5	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Portland, Oreg...	General	2,577
Santa Rosa	4	5	Amer..	Panama Mail S.S. Co.	New York, N.Y.	Seattle, Wash...	Gen., coffee.	3,732
Salvador	28	5	Brit...	Pacific Steam Nav. Co.	Cristobal, C.Z...	Champ'ico, Guat.	General	810
Tai Ping [2]	4	5	Nor...	Barber S.S. Line	New York, N.Y.	Shanghai, China.	General	1,853
Santa Olivia	4	5	Amer..	Grace Line	New York, N.Y.	Talcahuano, Chile	General	2,127
Southern Sun [1] [2]	5	5	Amer..	Sun Oil Co	Marcus Hook, Pa.	Los Angeles, Cal.	Ballast	.....
Norfolk	5	5	Brit...	Fed. Steam Nav. Co..	Falmouth, Eng..	New Zealand	Ballast	.....
Durazzo	28	5	Ger...	Hamburg-Amer. Line.	Cristobal, C.Z...	Guayaquil, Ecuad	General	339
Dardanus	5	5	Brit...	Alfred Holt & Co	Savannah, Ga...	Shanghai, China.	General	5,918
El Libertador [3]	4	5	Pan...	National Nav. Co.	Cristobal, C.Z...	Panama, R.P.	Ballast	.....
West Ira	5	6	Amer..	McCormick S.S. Co..	Rosario, Arg	Vancouver, B.C..	General	4,866
Salinas [1]	3	6	Amer..	U.S. Navy	Cristobal, C.Z...	Los Angeles, Cal.	Ballast	.....
Pacific Ranger [2]	5	6	Brit...	Furness, Withy & Co.	Glasgow, Scot...	Vancouver, B.C.	General	730
Port Dunedin [2]	5	6	Brit...	Cunard Line	London, Eng....	Dunedin, N.Z...	General	523
Canadian Highlander.	5	6	Brit...	Can. Nat. Steamships	Montreal, Can...	Lyttleton, N.Z...	Paper, steel.	3,364
Karamea [2]	6	7	Brit...	Shaw, Savill & Albion	Glasgow, Scot...	N.Plymouth, N.Z.	General	6,443
Glaucus	6	7	Brit...	Booth Amer. Ship. Co.	New York, N.Y.	Yokohama, Jap..	General	4,019
Manatawny [1]	6	6	Amer..	The Barrett Co	New York, N.Y.	Long Beach, Cal.	Creosote	4,204
Col. Riche [5]	...	...	Amer..	U.S. Army	Cristobal, C.Z...	Gatun, C.Z.	Ballast	.....
Archangelos	6	7	Greek.	S. Livanos	Greenock, Scot..	Pt. Chicama, Peru	Ballast	.....
Point Sur	7	7	Amer..	Gulf-Pacific Line	Corpus Ch'ti, Tex.	Seattle, Wash...	Rice, lumber	2,797
Gulfcrest [1] [2]	7	7	Amer..	Gulf Refining Co	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Parthenia	7	8	Brit...	Donaldson Line	Glasgow, Scot...	Vancouver, B.C.	General	755
Chateau Thierry [8]	7	8	Amer..	U.S. Army	New York, N.Y.	Honolulu, T.H...	General	966
Laguna [2]	7	7	Brit...	Pacific Steam Nav. Co	Hull, England...	Magallanes, Chile	General	3,313
Cressington Court. [2]	7	8	Brit...	Anglo-Canadian Co...	London, Eng....	Vancouver, B.C.	Ballast	.....
Gulfpenn [1]	7	8	Amer..	Gulf Refining Co	Savannah, Ga...	Los Angeles, Cal.	Ballast	.....
Ciport [5]	...	...	Pan....	Max Bilgray	Cristobal, C.Z...	Gatun, C.Z.	Ballast	.....
Gen. Wm. M. Graham. [11]	...	...	Amer..	U.S. Army	Cristobal, C.Z...	Balboa, C.Z.	Ballast	.....
J-26 [5]	...	...	Amer..	U.S. Army	Cristobal, C.Z...	Gatun, C.Z.	Ballast	.....
City of Bedford..	7	8	Brit...	Norton, Lilly & Co...	Paulsboro, N.J..	Sydney, Aust'lia.	Gen., oils	4,884
Missourian [2]	7	8	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash...	General	2,072
Julia Luckenbach.	8	8	Amer..	Luckenbach Line	Boston, Mass....	Los Angeles, Cal.	Ballast	.....
Comet [1]	8	8	Amer..	Stand. Vacuum Tr'sp.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Royal Star	8	8	Brit...	Blue Star Line	Liverpool, Eng..	Vancouver, B.C.	Ballast	.....
Tosca [2]	8	9	Nor...	Knut Knutsen	Oslo, Norway...	Valparaiso, Chile.	General	3,494
Innaron [2]	8	8	Swed..	Transatlantic S.S. Co.	Miami, Fla	Vancouver, B.C.	Ballast	.....
Steel Scientist	7	8	Amer..	Isthmian S.S Lines.	Baltimore, Md...	Penang, St. Set..	([18])	4,970
Ville D'Amiens	8	8	Fr....	Messageries Marit'es.	Dunkirk, France.	Noumea, N.Caled	General	1,093
Sambu [3]	7	8	Pan...	Hans Elliot	Cristobal, C.Z...	Panama, R.P.	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [8] Transport. [11] Mine planter. [13] Cotton, phosphate. [14] Autos, machinery, general. [15] Cotton, oil products, etc. [16] General, silica sand. [17] For orders. [18] Steel, tin, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Orazio [2]	8	9	Ital...	Societa Italia	Genoa, Italy	Valparaiso, Chile.	General	1,150
Nelson Traveler	8	9	Amer..	Nelson Line	Albany, N.Y.	Seattle, Wash.	General	2,199
San Blas	9	10	Pan...	United Fruit Co.	Philadelphia, Pa.	Pto.Arm'les, R.P.	Ballast	
James McGee [1]	8	9	Amer..	Standard Ship. Co.	Aruba, D.W.I.	Los Angeles, Cal.	Ballast	
Portland Maru	8	9	Jap...	Kokusai Kisen Kaisha	Galveston, Tex.	Yawata, Japan	([16])	5,965
J. L. Luckenbach	9	9	Amer..	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,872
Hoegh Trader [2]	9	9	Nor...	Leif Hoegh	New York, N.Y.	Vancouver, B.C.	Ballast	
Elisha Walker [1]	9	9	Amer..	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	
Tuira [3]	8	9	Pan...	Hans Elliot	Cristobal, C.Z.	Panama, R.P.	Ballast	
Real [3]	8	9	Pan...	Hans Elliot	Cristobal, C.Z.	Panama, R.P.	Ballast	
Poljana	9	10	Nor...	Knutsen Line	Haugesund, Nor.	Vancouver, B.C.	Ballast	
Fordefjord [2]	9	10	Nor...	Chilean Nitrate Sales	Mobile, Ala	Iquique, Chile	Ballast	
President Garfield	10	10	Amer..	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	3,748
West Notus	10	10	Amer..	McCormick S.S. Co.	Norfolk, Va.	Tacoma, Wash.	General	3,789
Ashby	10	10	Brit...	Dale & Co.	Boston, Mass.	Vancouver, B.C.	Ballast	
Santa Elisa	9	11	Amer..	Panama Mail S.S. Co.	New York, N.Y.	S. Francisco, Cal.	General	1,720
Bralanta [1] [2]	10	10	Nor...	Anglo-Saxon Pet. Co.	BullenCay,D.W.I	Ant'fagasta,Chile	Benzine	10,795
Santa Barbara [2]	9	11	Amer..	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	2,553
Fiscus	10	11	Brit...	Cuban Trading Co.	Manati, Cuba	Auckland, N.Z.	Sugar	7,764
Ludington [8]	9	12	Amer..	U.S. Army	Brooklyn, N.Y.	Manila, P.I.	Supplies	2,565
Wimborne	10	11	Brit...	Evan Thos. Radcliffe.	Baltimore, Md.	Vancouver, B.C.	Ballast	
Hertford	11	11	Brit...	N.Z. Shipping Co.	Liverpool, Eng.	Auckland, N.Z.	Ballast	
Katrina Luckenbach.	11	11	Amer..	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General	7,000
Hindanger [2]	11	11	Nor...	Westfal, Larsen & Co.	Rotterdam, Neth.	Vancouver, B.C.	Ballast	
Lossiebank [2]	11	11	Brit...	Bank Line	Baltimore, Md.	Shanghai, China.	General	2,661
Odenwald [2]	10	11	Ger...	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	2,431
Ramillies	10	11	Brit...	John Cory & Sons	Newcastle, Eng.	Vancouver, B.C.	Ballast	
Witram	11	11	Ger...	North German Lloyd.	Bremerha'n, Ger.	Vancouver, B.C.	Ballast	
Annie Johnson [2]	11	12	Swed..	Johnson Line	Goth'burg, Swed.	Vancouver, B.C.	General	354
Nuevo Panama [2]	11	14	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	100
Montreal Maru	11	12	Jap...	Kawasaki K. Kaisha.	Galveston, Tex.	Yokohama, Jap.	([17])	3,792
Meton [1]	11	12	Amer..	Shell Eastern Pet. Co.	Newport News.	Los Angeles, Cal.	Ballast	
Tigre [2]	11	12	Nor...	W. Wilhelmsen	New York, N.Y.	Vancouver, B.C.	Ballast	
Oregonian	11	12	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,006
Georgian	12	12	Amer..	Williams S.S. Line	Baltimore, Md.	Seattle, Wash.	General	994
Plow City	12	12	Amer..	Continental Grain Co.	Norfolk, Va.	S. Francisco, Cal.	Ballast	
Canadian Scottish.	12	12	Brit...	Can. Nat. Steamships	Montreal, Can.	Brisbane, Aus'lia.	General	1,612
F. H. Hillman [1]	12	12	Amer..	Standard Oil Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	
Washington [2]	12	12	Fr...	French Line	Antwerp,Belgium	Vancouver, B.C.	General	2,352
Charles G. Black [1]	12	13	Amer..	Standard Ship. Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Losmar	12	14	Amer..	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,842
Cellina [2]	12	13	Ital...	Nav. Lib. Triestina	Trieste, Italy	Vancouver, B.C.	General	1,125
S-13 [7]			Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
S-15 [7]			Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
S-16 [7]			Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
S-17 [7]			Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Victolite [1] [2]	12	13	Brit...	Imperial Oil Co.	New York, N.Y.	Talara, Peru	Ballast	
S-11 [7]			Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
S-12 [7]			Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Mallard [10]			Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
No. 223 [13]			Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
No. 353 [13]			Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Benholm	12	13	Brit...	Norton Lilly & Co.	New York, N.Y.	Melbourne, Aus.	Asphalt, gen.	5,679
Huguenot [1]	12	13	Amer..	Richfield Oil Co.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	
John D. Archbold [1]	12	13	Amer..	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	
Kirishima Maru [3]	13	13	Jap...	Kokusai Kisen Kaisha	New York, N.Y.	Yokohama, Jap.	Cotton, gen.	6,616
Dora [1]	13	13	Amer..	S.S. Dora Corp.	New Orleans, La.	Honolulu, T.H.	Ballast	
Ninna	13	14	Dan...	L. Lawitzen & Co.	Elsinore, Den.	Vancouver, B.C.	Ballast	
Cali	3	14	Ger...	North German Lloyd.	Cristobal, C.Z.	Guayaquil,Ecuad	General	527
Retriever [14]			Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Canonesa	13	14	Brit...	Shaw, Savill & Albion	London, Eng.	Dunedin, N.Z.	Ballast	
Bear of Oakland [15]	12		Amer..	Richard E. Byrd	Boston, Mass.	Dunedin, N.Z.	Ship's stores	
Alkmaar	14	14	Neth..	Royal Neth. S.S. Co.	Hamburg, Ger.	Talcahuano,Chile	General	1,741
Alcides [1] [2]	14	14	Nor...	Anglo-Saxon Pet. Co.	Falmouth, Eng.	Los Angeles, Cal.	Ballast	
Nankai Maru [2]	14	14	Jap...	Osaka Shosen Kaisha.	Boston, Mass.	Shanghai, China.	General	7,846
Col. Riche [5]			Amer..	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Oakland [2]	14	15	Ger...	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	4,032
Dalcroy	12	15	Brit...	United Steam Nav. Co.	St. Lucia, B.W.I.	Vancouver, B.C.	Ballast	
Cathwood [1]	14	15	Amer..	Union Oil Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	
Athelprincess [1] [2]	14	15	Brit...	United Molasses Co.	Albany, N.Y.	Los Angeles, Cal.	Ballast	
San Clemente	14	15	Amer..	Quaker S.S. Line	New York, N.Y.	Tacoma, Wash.	General	1,761
Kansan	15	15	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,105
Lochkatrine [2]	15	15	Brit...	Royal Mail Lines	Rotterdam, Neth.	Portland, Oreg.	General	872
Tuira [3]	14	15	Pan...	Hans Elliot	Cristobal, C.Z.	Panama, R.P.	Ballast	
El Colon [3]	14	15	Pan...	A. Valdez	Cristobal, C.Z.	Panama, R.P.	Ballast	

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [7] Submarine. [8] Transport. [10] Mine sweeper. [13] Sub-chaser. [14] Crane. [15] Auxiliary-bark. [16] Cotton, rails, etc. [17] Cotton, carbon black.

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
San Bernardino	16	16	Amer.	Quaker Line	Coos Bay, Oreg.	Bridgep't, Conn.	Lumber	7,500
San Blas	16	16	Pan.	United Fruit Co.	Pto.Arm'les, R.P.	Philadelphia, Pa.	([14])	1,039
Steel Engineer	16	16	Amer.	Isthmian S.S. Lines	Vancouver, B.C.	Swansea, Eng.	General	8,223
Trepca	16	16	J'slav.	Cosach	Iquique, Chile	Azores[13]	Nitrate	8,250
Benjamin Franklin.[2]	16	17	Nor.	Fred Olsen & Co.	Vancouver, B.C.	Antwerp, Belg.	General	8,434
Meton[1]	16	16	Amer.	Shell Eastern Pet. Co.	Los Angeles, Cal.	Perth A'boy, N.J.	Naphtha	9,258
Virginia	16	17	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	6,929
Chilore	17	17	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,652
Lycia[2]	16	17	Brit.	Anglo-Can. Ship. Co.	Victoria, B.C.	St. John, N.B.	Lumber, gen	3,420
Brimanger[2]	16	17	Nor.	Interocean S.S. Corp.	Los Angeles, Cal.	Havre, France	General	6,167
San Simeon	17	17	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,034
Real[2]	17	18	Pan.	Hans Elliott	Darien, R.P.	Cristobal, C.Z.	Bananas	40
Sambu[5]	17	18	Pan.	Hans Elliott	Darien, R.P.	Cristobal, C.Z.	([15])	20
Julia Luckenbach.	17	17	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	8,328
Makiki	17	17	Amer.	Matson Nav. Co.	Hawaiian Islands	New York, N.Y.	Sugar	7,690
Marconi[2]	17	18	Pan.	A. Valdez	Bayano, R.P.	Cristobal, C.Z.	Bananas	56
Yankee Arrow[4]	17	17	Amer.	Socony-Vacuum Corp.	Los Angeles, Cal.	New York, N.Y.	Gasoline	11,084
Lautaro[2]	17	17	Brit.	Pacific Steam Nav. Co	Valparaiso, Chile.	Glasgow, Scot.	General	6,820
Geisha[2]	17	17	Nor.	Knut Knutsen	Valparaiso, Chile.	Oslo, Norway	General	6,642
Queen City	17	17	Brit.	P. M. Helway S.S. Co.	Chemainus, B.C.	Cardiff, Wales	General	7,800
Borgestad[2]	17	18	Nor.	Canadian Transp. Co.	Vancouver, B.C.	Hull, England	Lumber, gen.	5,986
Point Caleta	17	18	Amer.	Gulf-Pacific Line	Portland, Oreg.	Tampa, Fla.	([16])	6,690
Pacific Exporter[2]	17	18	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Glasgow, Scot.	General	9,130
Southern Sun[1 2]	17	18	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,706
Sesostris	18	18	Ger.	Hamburg-Amer. Line.	San Antonio, Chile	Hamburg, Ger.	General	5,113
Rangitata[2]	17	18	Brit.	N.Z. Shipping Co.	Auckland, N.Z.	London, Eng.	Frozen, gen.	5,810
John Bakke[2]	18	18	Nor.	Cascade Line	Portland, Oreg.	Antwerp, Belg.	Fruit, gen.	5,276
Columbian	18	18	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,836
Lica Maersk	18	19	Dan.	Velasco & Ramilla Co.	Yavaros, Mexico.	Bilbao, Spain	Chick peas	3,818
Mallard, No. 44[4]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
George W. McKnight.[1 2]	19	19	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Hamburg, Ger.	([17])	16,297
Gulferest[1 2]	19	19	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	13,379
Nuevo Panama[2]	19	20	Pan.	Elliott Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	217
Lieut. Col. Schuum[4]	...	...	Amer.	U.S. Army	Ped. Miguel, C.Z.	Cristobal, C.Z.	.....	.....
Benverlich	19	20	Brit.	Ben Line, Ltd.	N. West'er, B.C.	London, Eng.	General	6,607
Plow City	20	20	Amer.	General S.S. Co.	Portland, Oreg.	Hampton Rds.[13]	Wheat	4,600
Santa Inez[2]	20	20	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	3,524
Hollywood	20	20	Amer.	Charles R. McCormick	Vancouver, B.C.	Buenos Aires, Arg.	Lumber, gen.	9,451
Santa Elisa	20	21	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	Can'd goods.	3,328
Heinrich V. Riedemann.[1 2]	20	20	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Le Havre, France	Crude oil	16,542
Steelore	21	21	Amer.	Bethlehem Steel Co.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,652
Schwaben	20	21	Ger.	North German Lloyd.	Vancouver, B.C.	Bremen, Ger.	General	10,352
Lapwing[4]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Condor	21	21	Chile.	Marucia Hochschile.	Valparaiso, Chile.	New York, N.Y.	([18])	4,623
Wyoming	21	22	Fr.	French Line	Vancouver, B.C.	Le Havre, France	General	7,594
Dirigo[2]	21	22	Amer.	The Texas Co.	Los Angeles, Cal.	Bayonne, N.J.	Gasoline	8,335
El Libertador[2]	21	22	Pan.	National Nav. Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	42
El Sona[2]	21	22	Pan.	National Nav. Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	35
Constance Chandler.	21	21	Amer.	Arrow Line	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,412
Leise Maersk[2]	21	21	Dan.	A. P. Moller	Salaverry, Peru.	Philadelphia, Pa.	Sugar	4,720
Hokuroku Maru[2]	21	22	Jap.	Osaka Shosen Kaisha.	Iloilo, P.I.	Savannah, Ga.	General	3,552
Wm. G. Warden[2]	21	22	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil	16,010
Walter A. Luckenbach.	21	22	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	6,287
Manizales	21	30	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	728
Joseph Seep[4]	22	22	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,701
Sagadahoc	22	22	Amer.	Argonaut S.S. Co.	Port Alice, B.C.	Baltimore, Md.	Lumber, gen.	9,236
Amerika[2]	22	22	Dan.	East Asiatic Co.	N. Westm'r, B.C.	Hull, England	General	8,020
La Paz[2]	22	23	Brit.	Pacific Steam Nav. Co	Valparaiso, Chile.	Liverpool, Eng.	General	8,502
Kentuckian	22	23	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	7,090
Taihei Maru[2]	22	23	Jap.	Mitsui Busan Kaosha.	Dairen, China	Gulfport, Miss.	General	6,205
Dorothy Cahill	9	23	Amer.	Arrow Line	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	6,850
Cerigo	6	...	Ger.	Hamburg-Amer. Line.	Balboa, C.Z.	Cristobal, C.Z.	Ballast	.....
West Cape	23	23	Amer.	McCormick S.S. Co.	Tacoma, Wash.	Philadelphia, Pa.	General	6,707
Tai Yin[2]	23	23	Nor.	Barber Line	Manila, P.I.	New York, N.Y.	General	5,673
Bronxville[2]	23	24	Nor.	Fern Line	Nehoue, N. Caled	Baltimore, Md.	Chrome ore.	8,000
Santa Elena	23	24	Amer.	Grace Line	Seattle, Wash.	New York, N.Y.	General	4,910
Eugenia D[5]	...	...	Colom.	S. Davis	Balboa, C.Z.	Cristobal, C.Z.	Ballast	.....
Republic	23	24	Amer.	U.S. Army	Honolulu, T.H.	Brooklyn, N.Y.	Army stores.	670
Langleeridge	23	24	Brit.	Nitrate Corp., Chile.	Iquique, Chile	Azores[13]	Nitrate	6,057
Mathew Luckenbach.	23	24	Amer.	Luckenbach Line	Portland, Oreg.	Mobile, Ala.	General	5,970
PacificCommerce[2]	24	24	Brit.	Canadian Transp. Co.	Vancouver, B.C.	Montreal, Can.	General	6,945

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [13] For orders. [14] Bananas, machinery. [15] Bananas, plantains. [16] Lumber, sugar, general. [17] Gas oil, benzine. [18] Copper, ore, soda.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Langleecrag	24	24	Brit.	F. Carrick & Co.	Victoria, B.C.	Avonmouth, Eng.	Wheat, lum'r	8,528
Gulfwax [1]	24	24	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	14,063
Gulfpenn [1]	24	24	Amer.	Gulf Refining Co.	Los Angeles, Cal.	Savannah, Ga.	Fuel oil	13,377
Sambu [2] [5]	24	25	Pan.	Hans Elliott	Darien, R.P.	Cristobal, C.Z.	Bananas	21
Osiris [3]	7	24	Ger.	Hamburg-Amer. Line.	Balboa, C.Z.	Hamburg, Ger.	General	6,525
Wm. Rockefeller [1]	24	25	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	21,493
F. H. Hillman [1]	24	25	Amer.	Standard Oil Co., N.J.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	13,500
Victor Ross [1] [2]	24	25	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	S'ampton, Eng.	Crude oil	16,854
Antares	22	26	Amer.	U.S. Navy	Los Angeles, Cal.	Philadelphia, Pa.	Navy stores	26
Real [2]	25	27	Pan.	Hans Elliott	Darien, R.P.	Cristobal, C.Z.	Bananas	32
Tuira [2]	25	26	Pan.	Hans Elliott	Darien, R.P.	Cristobal, C.Z.	Bananas	56
Norway Maru	24	25	Jap.	Kawasaki K. Kaisha.	Kohnan, Korea	Jacksonville, Fla.	Gen., silk	6,822
Point Gorda	25	25	Amer.	Luckenbach Line	S. Francisco, Cal.	Houston, Tex.	([15])	2,686
Iowan	25	25	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	7,782
Santa Barbara [2]	25	26	Amer.	Grace Line	San Antonio, Chile	New York, N.Y.	General	3,028
Nike [1] [2]	25	26	Swed.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Lands End, Eng. [14]	Gasoline	11,898
Steel Age	25	26	Amer.	Isthmian S.S. Lines	Kahului, T.H.	Baltimore, Md.	([16])	6,488
Cathwood [1]	26	26	Amer.	Union Oil Co.	Los Angeles, Cal.	Tiverton, R.I.	Gasoline	8,660
Texmar	26	26	Amer.	Calmar S.S. Corp.	Los Angeles, Cal.	New York, N.Y.	General	1,274
Meandros	26	26	Greek.	Gildemeister Co.	Salaverry, Peru	Cobh, Ireland [14]	Sugar	8,140
Perene	26	27	Peru.	Cia. Peru. de Vapores.	Callao, Peru	Iquitos, Peru	Coal, gen.	1,792
Nuevo Panama [2]	26	27	Pan.	Ellintt Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	215
Hudiksvall	26	...	Swed.	M. Velez	Tumaco, Col.	Cristobal, C.Z. [14]	Ballast	.....
Lima [1] [3]	10	27	Peru.	Peruvian Navy	Callao, Peru	Iquitos, Peru	Displacement	1,790
Paul Luckenbach	27	27	Amer.	Luckenbach Line	Tacoma, Wash.	Boston, Mass.	Gen., lumber	8,494
Berganger [2]	27	27	Nor.	Interocean S.S. Corp.	Vancouver, B.C.	Le Havre, France	Grain, gen.	7,665
Nordpol [2]	27	27	Dan.	Chilean Nitrate Corp.	Iquique, Chile	Wilmington, N.C.	Nitrate	8,014
Salvador	27	...	Brit.	Pacific Steam Nav. Co	Champerico, Guat	Cristobal, C.Z.	General	70
Durazzo	28	...	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	General	966
Bretagne [2]	28	29	Dan.	Inter. Freighting Co.	Ant'fagasta, Chile	Norfolk, Va.	Nitrate	5,177
President Lincoln.	29	29	Amer.	Dollar Line	Manila, P.I.	New York, N.Y.	General	5,894
Gothic Star	28	29	Brit.	Blue Star Line	N.Westm'er, B.C.	Newcastle, Eng.	Fruit, gen.	5,502
Charles Pratt [1]	29	29	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	15,000
W. H. Libby [1]	28	29	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Portland, Me.	Fuel oil	7,900
Marsodak	29	29	Amer.	Cont. Grain Co.	Seattle, Wash.	Hampton Rds. [14]	Wheat	5,268
Buffalo Bridge	29	29	Amer.	Cont. Grain Co.	Portland, Oreg.	New Orleans, La.	Wheat	4,643
Nevada	29	30	Fr.	French Line	Valparaiso, Chile.	Le Havre, France	General	7,951
Leuna	29	30	Ger.	Hamburg-Amer. Line.	Portland, Oreg.	Hamburg, Ger.	General	7,700
Imperial Valley	29	30	Brit.	W. R. Smith & Sons.	Vancouver, B.C.	Liverpool, Eng.	General	7,789
Virgilio [2]	29	31	Ital.	Italia Line	Valparaiso, Chile.	Genoa, Italy	General	3,035
San Gil	29	29	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Philadelphia, Pa.	Bananas	65
Dinteldijk [2]	29	30	Neth.	Holland-Amer. Line.	Vancouver, B.C.	Rotterdam, Neth.	General	9,687
Lebore	30	30	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,650
Portland [2]	30	30	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	7,231
Peter Maersk [2]	29	30	Dan.	Isbrandtsen Moller	Bais, P.I.	New York, N.Y.	General	6,646
Athelregent [1] [2]	29	30	Brit.	H. P. Drewry	La Libertad, Ecu.	Le Havre, France	Crude oil	13,380
Canadian Leader.	30	31	Brit.	Can. Nat. Steamships	Lyttleton, N.Z.	Montreal, Can.	General	1,838
Californian [2]	30	30	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	9,014
Brynje [2]	30	30	Nor.	Canadian Transp. Co.	Vancouver, B.C.	Antwerp, Belg.	Lumber, gen.	6,511
Point Bonita	29	30	Amer.	Gulf-Pac.-Mail Line.	Seattle, Wash.	Lake Charles, La.	General	2,900
Ruahine	30	30	Brit.	N.Z. Shipping Co.	Pt. Chalmers, N.Z.	Glasgow, Scot.	Frozen, gen.	5,965
Laurits Swenson [2]	30	31	Nor.	Fred Olsen Line	Vancouver, B.C.	Oslo, Norway	General	6,436
Pennsylvania	30	31	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	6,335
Triglav	30	31	J. Slav.	Chilean Nitrate Co.	Iquique, Chile	Azores [14]	Nitrate	10,340
Real [2]	31	2	Pan.	Hans Elliott	Darien, R.P.	Cristobal, C.Z.	Bananas	19
Tuira [2]	31	1	Pan.	Hans Elliott	Darien, R.P.	Cristobal, C.Z.	Bananas	38
Frumenton	30	31	Brit.	R. Chapman & Sons.	Vancouver, B.C.	Avonmouth, Eng.	Grain, lum'r.	11,020
Sunoil [1] [2]	30	31	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,563
Atlantic	31	31	Amer.	Argonaut S.S. Co.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	6,945
S-13 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Norman Star	31	31	Brit.	Blue Star Line	Seattle, Wash.	Buenos Aires, Arg	Fruits	2,940
San Lucas	31	31	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	([17])	9,319
Marconi [2]	31	1	Pan.	A. Valdes	Bayano, R.P.	Cristobal, C.Z.	Bananas	68
Golden Mountain.	31	31	Amer.	Williams S.S. Co.	Seattle, Wash.	Providence, R.I.	Lumber, gen.	7,286
Norfolk Maru	31	1	Jap.	Kawasaki S.S. Co.	Kobe, Japan	Houston, Tex.	General	4,610
Franklin K. Lane [1]	31	1	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Portland, Me.	Fuel oil	10,108
Isis [2]	31	1	Ger.	Hamburg-Amer. Line.	Magallanes, Chile	Hamburg, Ger.	General	6,789
Nebraskan	1	1	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	8,509
William A. McKenney.	1	1	Amer.	McCormick S.S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	6,753
San Felipe	1	1	Amer.	Swayne & Hoyt	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	6,927
Pacific Trader [2]	1	2	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Glasgow, Scot.	General	7,864
Susan V. Luckenbach.	1	1	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,569
Jane Christenson.	2	2	Amer.	Arrow Line	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	7,782
Nuevo Panama [2]	1	4	Pan.	Elliott Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	131
Port Hunter	2	2	Brit.	Com'lth & Dom. Line	Wellington, N.Z.	London, Eng.	Frozen, gen.	6,790
Balboa [2]	2	2	Swed.	Johnson Line	N.Westm'er, B.C.	Stockholm, Swed.	Fruit, wheat.	8,633

[1] Tanker. [2] Motor ship. [5] Launch. [7] Submarine. [13] Sub-tender. [14] For orders. [15] Canned goods, general. [16] Pineapples, sugar. [17] Lumber, copper, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Harold Walker [1]	2	3	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,000
Salinas [1]	1	6	Amer.	U.S. Navy	Los Angeles, Cal.	Cristobal, C.Z.	.....	.....
Brilliant [1] [2]	2	3	Amer.	Stand. Vacuum Tr'sp.	Los Angeles, Cal.	New York, N.Y.	Gasoline	12,846
Cali	2	...	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,060
Canadian Farmer.	2	3	Brit.	Gt. Lakes Inter. Lines	Vancouver B.C.	Hamilton, Can.	General	2,786
Bennekom	2	4	Neth.	Royal Neth. S.S. Co.	Valparaiso, Chile.	Hamburg, Ger.	General	8,806
Wisconsin	3	4	Fr.	French Line	Vancouver, B.C.	Havre, France.	General	8,298
Santa Teresa	3	4	Amer.	Panama Mail S.S. Co.	S. Francisco, Cal.	New York, N.Y.	Coffee, gen.	3,407
Steel Inventor	3	4	Amer.	Isthmian S.S. Lines	N.Westm'er, B.C.	Dublin, Ireland.	General	8,225
Calmar	3	4	Amer.	Calmar S.S. Corp.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	3,300
El Libertador [2]	3	5	Pan.	National Nav. Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	35
El Aleto [1] [2]	4	4	Brit.	Anglo-Ecuad. Oil Co.	La Libertad, Ecu.	Philadelphia, Pa.	Crude oil	10,165
Peter Hurll [1] [2]	5	5	Danz.	W. Tankschiff Rhed'i.	CaboBlanco,Peru	Le Havre, France	Crude oil	15,982
Franz Klasen [1] [2]	5	5	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Hamburg, Ger.	(14)	16,411
Amasis	4	6	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General	8,502
Canadian Victor.	5	5	Brit.	Can. Nat. Steamships	Brisbane, Aus'lia.	Montreal, Can.	General	1,830
Panaman	5	5	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	6,488
Lisbon Maru	5	6	Jap.	Nippon Yusen Kaisha	Iloilo, P.I.	New York, N.Y.	Gen., sugar.	3,343
Svealand [2]	5	6	Swed.	Ore S.S. Corp.	Cruz Gr'de, Chile	Sparrows Pt.,Md.	Iron ore	21,652
Arcadia	5	6	Ital.	M. Hochschild & Co.	Taltal, Chile	New York, N.Y.	(15)	6,625
K. I. Luckenbach.	6	6	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	5,460
Java Arrow [1]	6	6	Amer.	Stand. Vacuum Tr'sp.	Los Angeles, Cal.	New York, N.Y.	(16)	11,519
H. H. Rogers [1]	6	7	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Everett, Mass.	Fuel oil	15,727
Cortona	6	6	Brit.	Donaldson Line	Vancouver, B.C.	Glasgow, Scot.	General	6,288
Santa Lucia	6	7	Amer.	Grace Line	Seattle, Wash.	Philadelphia, Pa.	Beans, gen.	3,707
Atenas	6	7	Amer.	States S.S. Lines	Portland, Oreg.	New York, N.Y.	Fresh fruit	1,873
Sage Brush	7	7	Amer.	Shepard Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,642
Njegos	6	7	J-Slav.	Jugoslav-Lloyd	Ant'fagasta, Chile	Azores [13]	Nitrate	7,000
K. R. Kingsbury [1]	7	7	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Kerosene	10,160
Sambu [5]	6	8	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	22
Fresno Star	7	8	Brit.	Blue Star Line	N. West'er, B.C.	Newcastle, Eng.	Fruit, gen.	6,803
Chester Sun [1] [2]	7	7	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,265
Red Wing [5]	...	...	Amer.	D. C. Gray	Balboa, C.Z.	Miraflores Lake.	Ballast	.....
Peter Kerr	8	8	Amer.	Quaker Line	Pt.Town'd,Wash.	Philadelphia, Pa.	Lumber, gen.	8,614
Anniston City	8	8	Amer.	Isthmian S.S. Lines	Honolulu, T.H.	New York, N.Y.	General	7,968
Real [2]	7	9	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	25
Tuira [2]	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	30
Santa Clara	8	9	Amer.	Grace Line	SanAntonio,Chile	New York, N.Y.	General	4,504
Texan	8	9	Amer.	Amer.-Hawaiian Line.	Pt.Angeles,Wash.	Boston, Mass.	Lumber, gen.	9,000
Harlingen	8	9	Brit.	J. & C. Harrison	Iquique, Chile	Azores [13]	Nitrate	8,600
Gen. Wm. M. Graham. [11]	...	...	Amer.	U.S. Army	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Cities Service Toledo. [1]	9	9	Amer.	Cities Ser. Transp. Co.	S. Francisco, Cal.	New York, N.Y.	Furnace oil	12,282
Amerikaland [2]	9	10	Swed.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,038
Felix Taussig	10	10	Amer.	McCormick S.S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,841
Mabriton	9	10	Brit.	R. Dale & Co.	Vancouver, B.C.	London, Eng.	Grain, gen.	9,546
Boussole	10	10	Fr.	Messageries Marit'es.	Noumea, N.Caled	Marseilles,France	General	4,047
Democracy	9	11	Amer.	Nelson Line	Portland, Oreg.	New York, N.Y.	Lumber, gen.	6,915
Lochgoil [2]	10	11	Brit.	Royal Mail Lines	Vancouver, B.C.	Rotterdam,Neth.	General	9,426
Rajahstan	10	11	Brit.	Anglo-Can. Ship. Co.	N. West'er, B.C.	London, Eng.	Wheat, lum'r	9,650
Ionic	10	11	Brit.	Shaw, Savill & Albion	Wellington, N.Z.	London, Eng.	Frozen, gen.	5,060
Nuevo Panama [2]	10	12	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	78
Yorkmar	10	11	Amer.	Calmar S.S. Corp.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	2,058
Acajutla	11	...	Brit.	Pacific Steam Nav. Co	Champ'ico,Guat.	Cristobal, C.Z.	General	238
Willboro	11	11	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Albany, N.Y.	Lumber, gen.	9,466
Axel Johnson	11	12	Swed.	Johnson Line	Vancouver, B.C.	Stockholm, Swed.	General	5,235
Svealjarl	11	12	Swed.	Knutsen Line	Valparaiso, Chile.	Goth'burg, Swed.	General	6,601
Robert Luckenbach.	11	11	Amer.	Luckenbach Line	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	5,983
Cerigo	11	...	Ger.	Hamburg-Amer. Line.	Guayaquil,Ecuad	Cristobal, C.Z.	General	949
Nora [1]	11	12	Amer.	Arrow Oil Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	14,121
President Wilson.	12	12	Amer.	Dollar Line	S. Francisco, Cal.	New York, N.Y.	General	4,466
Fella [2]	11	12	Ital.	Nav. Lib. Triestina	Vancouver, B.C.	Trieste, Italy	General	9,120
Antietam [1]	11	12	Amer.	Shell Pet. Corp.	Los Angeles, Cal.	Fall River, Mass.	Napbtha	9,339
Spencer Kellogg [1]	11	12	Amer.	Kellogg S.S. Co.	Manila, P.I.	New York, N.Y.	Coconut oil	6,800
Reginolite [1] [2]	11	12	Brit.	Imperial Oil Co.	Talara, Peru	Montreal, Can.	Crude oil	11,640
Hawaiian	12	12	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,014
Europa [2]	12	12	Dan.	East Asiatic Co.	Vancouver, B.C.	Copenhagen,Den.	General	8,930
Deroche [1]	12	13	Amer.	Union Oil Co.	Los Angeles, Cal.	Jacksonville, Fla.	Gasoline	10,500
San Blas	13	13	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Philadelphia, Pa.	Bananas,gen.	627
Los Angeles [2]	13	14	Ger.	North German Lloyd.	Vancouver, B.C.	Hamburg, Ger.	General	8,111
Taranger [2]	13	13	Nor.	Interocean S.S. Corp.	Vancouver, B.C.	Rotterdam, Neth.	(17)	6,234
West Camargo	13	13	Amer.	McCormick S.S. Co.	Vancouver B.C.	BuenosAires, Arg.	Lumber, gen.	7,365
California	13	14	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	5,415
Sanyo Maru [2]	13	15	Jap.	Osaka Shosen Kaisha.	Manila, P.I.	New York, N.Y.	General	4,077
Santa Isabel	13	14	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	3,537
Tacoma City	13	14	Brit.	East Asiatic Co.	Dairen, China	Cobh, Ireland [13]	Beans	8,100

[1] Tanker. [2] Motor ship. [5] Launch. [11] Mine planter. [13] For orders. [14] Gasoline, gas oil. [15] Gold, copper ore. [16] Gasoline, fuel oil. [17] Wheat, lumber, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Washington Express.[2]	14	14	Nor...	Fruit Express Line...	N. West'er, B.C..	Hamburg, Ger...	Fruit.....	1,400
Kurdistan.....	13	14	Brit...	Common Brothers...	N. West'er, B.C..	Hull, England...	Grain, lum'r.	8,600
Edgar F. Luckenbach.	14	14	Amer..	Luckenbach Line....	Portland, Oreg...	Mobile, Ala.....	General.....	8,072
Harmatris.....	14	14	Brit...	Anglo-Chilean Nit. Co.	Tocopilla, Chile..	Azores[1 3].....	Nitrate.....	8,643
El Colon[2].....	14	15	Pan....	A. Valdes.....	Bayano Riv., R.P.	Cristobal, C.Z...	Bananas....	51
Tuira[2].....	14	15	Pan...	Elliot Ship.& Land Co.	Darien, R.P.....	Cristobal, C.Z...	Bananas....	57
Memphis City...	14	14	Amer..	Isthmian S.S. Lines..	Vancouver, B.C.	Swansea, Eng...	General.....	7,085
Ryoyo Maru[2]....	15	16	Jap...	Kawasaki K. Kaisha.	Kohwan, China..	Norfolk, Va.....	General.....	5,056
Ohioan.....	15	15	Amer..	Amer.-Hawaiian Line.	Puget Sd., Wash.	Boston, Mass....	General.....	5,209
Villanger[2].....	15	15	Nor....	Interocean S.S. Corp.	Vancouver, B.C.	Rotterdam, Neth.	Fruit, gen...	7,499
Mercury Sun[1 2].	15	15	Amer..	Shell Oil Co.....	Los Angeles, Cal.	Perth A'boy, N.J.	Gasoline....	13,407
Castana[1].....	15	15	Amer..	U.S. Tankship, Corp..	Hilo, T.H.....	New Orleans, La.	Molasses....	9,100
S. A. Perkins.....	15	15	Amer..	Swayne & Hoyt.....	Seattle, Wash...	New Orleans, La.	General.....	4,999
Nore[1 2].....	14	15	Nor...	Standard Oil Co.....	Los Angeles, Cal.	Aruba, D.W.I...	Naphtha....	10,159
Trondanger[2].....	15	15	Nor...	Interocean S.S. Co...	Vancouver, B.C.	Hamburg, Ger...	Grain, gen..	8,440

[1] Tanker. [2] Motor ship. [1 3] For orders.

Canal Traffic Shows Increase

An important increase occurred in the commercial traffic passing through the Panama Canal in October 1933, the number of transits (467) having been the greatest since January 1931 when 476 vessels were passed through. Net tonnage, Panama Canal measurement (2,416,200) and cargo tonnage (2,125,927) were the heaviest since December 1930 when these two features aggregated 2,473,626 and 2,166,884, respectively; tolls collection in the past month ($2,036,909.16) was the largest since January 1931 when the revenue from that source aggregated $2,108,140.42.

In comparison with the previous month (September 1933) the past month's traffic registered an increase of 14.5 percent in transits; 15.2 percent in net tonnage, Panama Canal measurement; 15.8 percent in tolls collected; and 18.3 percent in cargo tonnage; in comparison with the corresponding month in 1932 it made an increase of 18.5 percent in transits, 21.5 percent in net tonnage, Panama Canal measurement, 18.8 percent in tolls, and 34.4 percent in cargo tonnage.

Of the increase of 59 transits in comparison with the previous month, 49 occurred in three major trade routes, viz., the United States intercoastal, 19; between the United States and the Far East, 12; and between Europe and the west coast of United States-Canada, 18.

In the United States intercoastal trade the increase was made up wholly of tanker traffic, and the movement of general cargo carriers showed no increase. The total cargo tonnage carried by tankers in the intercoastal trade in October 1933 amounted to 343,225 tons in comparison with 175,388 tons in the previous month, a gain of almost 100 percent.

In the trade between the United States and the Far East an increase of 53,437 tons, or 29 percent, was recorded in the combined movement. The gain occurred principally in the outward traffic from the United States, and involved such commodities as raw cotton, manufactures of iron and steel, tinplate, phosphates, and general goods.

The combined cargo movement between Europe and the west coast of the United States-Canada made an increase of 81,421 tons, 75,582 tons of which was in the Pacific to Atlantic movement. Of the gain in the latter, wheat accounted for almost 31,000 tons (all from Canada), while smaller increases were recorded in lumber, canned goods, fresh and dried fruits, gasoline, borax, bran, etc.

In the smaller trades showing increases that between the United States and Australasia was comprised of 8 transits carrying 47,182 tons of cargo in October 1933, as compared with 3 vessels carrying 9,976 tons in the previous month. The greater part of the cargo was outbound from the United States to Australasia, and included increased shipments of sulphur, automobiles and accessories, lubricating oil, and asphalt.

Ships' Chandlery Supplies

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost plus 25 per cent surcharge which covers local freight, handling, and other costs.

Restrictions on Services to Ships

During the month of October 1933 the President of Panama paid a visit to the President of the United States and requested various changes in the policies governing the operations of The Panama Canal and Panama Railroad Company, in so far as such policies were believed to affect adversely the business interests of Panama. As a result of their conferences, the President of the United States has directed certain changes, some of which affect shipping or ships' personnel. These changes are outlined in the following circular addressed to all concerned by the Governor of The Panama Canal under date of October 25, 1933:

1. Sale by commissaries of "tourist goods" for resale on ships will be prohibited.
2. Sale by commissaries of articles required by ships, such as fuel, food supplies, et cetera, will be continued.
3. Sale by commissaries of other articles to ships will be made at prices to be determined after further study.
4. Sales to contractors and their employees for their personal use will be restricted to those engaged exclusively in the service of the United States Government or the Panama Railroad Company and who actually reside in the Canal Zone.
5. Restaurants, lunch rooms and messes now operated under contract will be discontinued as soon as practicable. Existing limitations on food furnished at the clubhouses will be removed at the same time.
6. The use of the clubhouses in the Canal Zone will be limited to officers and employees of the United States Government and of the Panama Railroad Company and their families and guests.
7. Admission to moving picture houses in the Canal Zone will be limited to officers and employees of the United States Government and of the Panama Railroad Company and their families and guests.
8. The services of the United States hospitals and dispensaries in the Canal Zone will be restricted to officers and employees of the United States Government and of the Panama Railroad Company and their families and guests and to personnel from ships, excepting only emergency cases.
9. The local delivery into the Republic of Panama and the Canal Zone from "Hold for Orders" goods in the warehouses in the Canal Zone will be discontinued on and after December 1, 1933.
10. Services offered by the Panama Railroad Company, such as the washing and pressing of clothes, will be restricted to officers and employees of the United States Government and of the Panama Railroad Company and their families and guests and the serving of ships.

The above provisions will be made effective upon receipt of this circular, except where otherwise specifically provided. Officers and employees of the United States Government and of the Panama Railroad Company and their families will be identified where necessary by commissary authority cards or commissary books, since for all practical purposes those entitled to commissary privileges are the same as these officers and employees and this means of identification provides the most efficacious method of enforcement.

The above instructions are subject to revision after further consideration of the agreements entered into between the President of the United States of America and the President of the Republic of Panama on October 18, 1933.

Sales to ships: Subsequent to the issue of circular of October 25, 1933, quoted above, The Panama Canal, in order to afford more precise definition with respect to paragraphs 1 and 2 of the circular, issued instructions that the term "tourist goods" is construed to mean perfumes, fancy toilet articles and wearing apparel, and luxury items having no bearing or connection with necessities for crew, passengers, or ship's operation.

With respect to articles required by ships, the Canal has adopted the definition of "sea stores" (excepting "tourist goods") and "ship stores and equipment" presented in Article 126 of the United States Customs Regulations, paragraphs (c) and (d):

(c) "The term 'sea stores' embraces only articles for use or consumption of passengers and crew of the ship upon its voyage." (With respect to commissary sales there are excluded from sea stores those articles classed as "tourist goods.")

(c) "The term 'ship stores and equipment' includes all articles, materials, and supplies necessary for the navigation, propulsion, and upkeep of vessels."

Hospitals and *dispensaries:* With reference to the provision in paragraph 8 of the circular of October 25, 1933, restricting the services of United States hospitals and dispensaries in the Canal Zone to certain classes which include "personnel from ships,"

the term "personnel" is meant to include passengers in transit as well as members of crews.

"*Canal Zone for Orders*": With reference to paragraph 9 of the circular of October 25, 1933, The Panama Canal issued the following circular under date of November 2, 1933:

1. The Governor's circular of October 25, 1933, on the subject of Panama Canal and Panama Railroad activities provides in paragraph 9 as follows:

The local delivery into the Republic of Panama and the Canal Zone from "Canal Zone for Orders" goods in the warehouses in the Canal Zone will be discontinued on and after December 1, 1933.

2. Goods may continue to be shipped to "Canal Zone for Orders" as heretofore under the existing tariff regulations. Withdrawal of cargo from "Canal Zone for Orders" for shipment to ports outside of the Canal Zone and Panama may be continued as heretofore. Local withdrawals from "Canal Zone for Orders" cannot be made on and after December 1, 1933. The intent of the paragraph as quoted above is to prohibit the continued use of this class of storage for the general local warehousing business which has developed.

3. The wharves and piers at the Canal terminals are still available for the handling of cargo properly consigned for local delivery and such cargo may be left thereon at the discretion of the consignee under the terms of the tariff in effect at the time of delivery of the cargo.

4. If prior to October 26, 1933, any shipper or consignee committed himself to shipments under such circumstances that losses will result if withdrawals thereof from "Canal Zone for Orders" are not permitted subsequent to November 30, 1933, his case may be presented to the Receiving and Forwarding Agent for consideration.

The following additional statement was issued on November 4, 1933:

Until further notice and pending further study, withdrawals for delivery to ships from "Hold for Orders" will be permitted for the class of articles, materials, and supplies designated as "Ships' Stores and Equipment" necessary for the navigation, propulsion, and upkeep of vessels. In case decision is made to discontinue or restrict this practice, 30 days notice thereof will be given to all concerned.

Notices to Mariners

Among the notices to mariners issued by The Panama Canal during the past month the following are of sufficient interest for publication in this paper.

Rear range target lights, Cucaracha Reach, Panama Canal, were the subject of notice No. 220, dated November 1, 1933, as follows:

On October 26, 1933, the rear range target No. 50, on the southbound center line range at Cucaracha Reach, showing a fixed white light, was moved 500 feet to the southeast on the range, and a range target showing a fixed white light was established on the old position of range target No. 50 and numbered 50-A, creating a 3-target range.

Range lights, Gamboa Reach, Panama Canal, were the subject of notice No. 225, November 2, 1933, as follows:

Concrete electric beacon No. 27, Gamboa Reach, was removed, effective this date, due to the Dredging Division's Gamboa project.

A temporary light, flashing white, will be exhibited on the same position until November 6, 1933, at which time dredging operations will have started, and light will be permanently discontinued.

Nonexistence of a light at Porto Bello is reported in notice No. 226, November 6, 1933, quoting from notice issued by the Hydrographic Office at Washington, October 28, 1933, as follows:

(2581) The fixed white light shown on the charts 195 yards 212° from the northwest corner of Fort San Geronimo no longer exists and will be expunged.

Approximate position, 9°34′ N., 79°40′ W.

Smoking Aboard Vessels Carrying Petroleum Products in Bulk

The Panama Canal issued a circular to all concerned, under date of October 26, 1933, stating that until the promulgation of complete rules and regulations governing the transportation of hazardous cargoes in Canal waters, the following regulations shall apply to all vessels engaged in transporting in bulk petroleum products of a flashpoint below 150° Fahrenheit:

(*a*) No smoking shall be allowed in Canal waters whether in loaded or ballast condition except in officers' or crews' quarters. The master shall designate a place in the crews' quarters where Canal seamen may smoke when smoking is permissible.

(*b*) No smoking shall be allowed in any part of these vessels while they are in the locks or within one-half mile of any lock.

Supplement to Tariff No. 11—Tugs, Wharfage, Fuel and Diesel Oils, Stevedoring and Transferring Cargo

The Panama Canal issued on October 24, 1933, supplement No. 5 to Tariff No. 11, making changes as shown below.

Under Item 5, the paragraph 1(f), relative to the use of tugs for "overdraft" vessels, was amended to read as follows:

> Any vessel arriving at a terminal port of the Panama Canal for transit with a mean draft in excess of that allowed under the New International Load Line Regulations for the tropical zone as determined by American Bureau of Shipping, Lloyd's Register or other certified credential, will be required to take the services of a Panama Canal towboat from Balboa sea buoys to Gamboa Reach and from north end of Atlantic locks to buoy No. 3 in Cristobal Harbor, or vice versa. The Canal, however, reserves the rights to assign a tug to any vessel when conditions exist that make it advisable in the interest of safety, regardless of draft. The charge for this service will be at the tariff rate of $35 per hour, with a maximum charge of $400 each way.

Under Item 11, dealing with wharfage, paragraph 15 was amended to read:

> When a vessel does not come to a wharf, but transfers cargo or passengers between ship and shore in lighters or other floating equipment, charge shall be made against the vessel for wharfage on the equipment used at the regular rates provided in this tariff; except when a vessel transits the Canal and docks at either terminal, and, at the opposite terminal, discharges by launch mail only, amounting to 10 bags or less, no charge shall be made against the vessel for wharfage of such launch.

In Item 23 the paragraphs 1 and 2 which formerly quoted prices for fuel oil and Diesel oil were changed to a new paragraph 1 which states that prices will be quoted on application.

Under Item 34, relative to stevedoring and transferring cargo, paragraph 4, dealing with dangerous cargo, was expanded to read as follows, effective November 1, 1933:

> The Panama Railroad Company reserves the right to refuse all explosives, highly inflammable or other dangerous cargo. Gasoline, oil and grease, acid, explosives and other inflammable or dangerous cargo accepted for transshipment in quantities deemed unsafe for storage on the piers may, in the discretion of the Receiving and Forwarding Agent, be stored in cars in the open yard, while awaiting the arrival of the on-carrying vessel. All "in transit" gasoline in cases will be stored in cars until reforwarded. A charge at the rate of $1 per car per day, or fraction of a day, will be made against the delivering vessel for the period the cars remain under load in this service. Cargo stored under the provisions of this rule will not be subject to the regulations and charges of paragraph No. 1 of Item 35—Storage on Piers.

New Record of 12.75 Inches of Rainfall in 24 Hours

A fall of 12.75 inches of rain at France Field, Canal Zone, in the period from 7 a.m., October 19, to 7 a.m., October 20, 1933, established a new record for precipitation within 24 hours for the Canal Zone and Panama. The heaviest fall occurred from 1:30 a.m. to 4:30 a.m., October 20.

During the same storm, 24-hour rainfall totals for other stations near the Atlantic end of the Canal were: Fleet Air Base, 12.14 inches (estimated); Gatun, 9.02 inches; Cristobal, 7.57 inches. The Fort Randolph Road near France Field was flooded to a depth of 4 feet, and ordinary vehicular traffic was suspended during the forenoon of October 20. The Bolivar Highway was flooded for some time near Mount Hope and near Fort Davis, and the floor of the pumphouse of the oil-handling plant at Mount Hope was under 12 inches of water.

The storm was accompanied by prolonged sharp lightning and heavy thunder. Maximum amounts of rainfall at Cristobal and France Field were as follows:

	5 min.	10 min.	15 min.	30 min.	1 hr.	2 hrs.	24 hrs.
Cristobal	.56	1.00	1.43	2.27	3.12	4.40	7.57
France Field	.58	1.16	1.60	2.67	4.63	5.91	12.75

All of these amounts except the 12.75 inches at France Field have been exceeded several times at Cristobal.

New International Code of Signals

The Panama Canal has received from the Hydrographic Office of the United States Navy Department copies of the American edition of the new international code of signals to be effective January 1, 1934. The code is published in two volumes, numbered I and II, H. O. No. 87 for visual and sound signaling and H. O. No. 88 for radio signaling, respectively. Both volumes are on sale at the branch hydrographic office at Cristobal, at $1.80 each.

Revision of the code was initiated by Great Britain at the International Radiotelegraph Conference in Washington in 1927 and the compilation was completed in December 1930. According to the prefaces of the two volumes the code was to be prepared in seven editorial editions, in English, French, German, Italian, Japanese, Spanish, and one Scandinavian language, and the chief changes can be summarized as the compilation in two volumes; increase of the flags by the addition of 10 numeral pennants and 3 substitute (repeater) flags; amendment of the system of Morse signaling by the introduction of procedure signals and bringing it into line with radio telegraphy, as far as possible and practicable; abandonment of the use of distant signals and of fixed semaphore; and arrangement that the signal letters of ships should be the same as their radio call signs and consist of four letters which indicate definitely the nationality of the ship concerned. With respect to the radio section, other main features are the introduction of words and phrases applicable to aircraft, and development of an extensive medical section and a code for accelerating the granting of pratique. It is considered that the medical section will be of great value in securing correct medical advice in case of illness or accident. The Panama Canal has requisitioned a stock of the new pennants and flags and it is anticipated that they will arrive on the Isthmus in December.

Transfer of District Court to Department of Justice

By section 6 of Executive Order No. 6166, dated June 10, 1933, issued by virtue of the authority vested in the President by section 16 of the act of March 3, 1933, (Public, No. 428, 47 Stat. 1517), the District Court of the United States for the Panama Canal Zone was transferred to the Department of Justice. The effective date of the transfer was made November 4, 1933, by Executive Order No. 6301, dated September 30, 1933.

Under date of November 3, 1933, the President issued an Executive Order, "Designation of Marshal as officer to disburse funds for the maintenance and operation of District Court of the United States for Panama Canal Zone, etc.", ordering as follows:

1. Upon the transfer from the War Department to the Department of Justice of the function of supervision over the District Court of the United States for the Panama Canal Zone, the said court and its personnel shall continue to receive the perquisities, privileges, and allowances to which they are now entitled and receiving, and the War Department shall continue to furnish, as heretofore, to the court and to its personnel all necessary (*a*) office quarters, equipment, and facilities, (*b*) library facilities, and (*c*) travel facilities, within the Canal Zone; and the War Department shall not require payment from the Department of Justice for such quarters, equipment, and facilities.

2. The Marshal for the Panama Canal Zone shall disburse all funds under the control of the Department of Justice required for the maintenance and operation of the said court and shall give bond for the faithful performance of his duties in such amount as may be fixed by the Attorney General.

3. This order is not intended to supersede, or in any wise affect, section 4 of Executive Order No. 6166, of June 10, 1933, insofar as said section may become applicable hereto under the provisions of Executive Order No. 6224, of July 27, 1933.

4. Except as provided in paragraph numbered (3), all prior Executive Orders are hereby revoked insofar, and to such extent, as they may be in conflict or inconsistent with this order.

Information from American Consuls

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices, including the 25 percent surcharge, to individuals and companies, effective November 18, 1933:

Commodities	Unit	Price
Brass, bar, average	Lb.	$0.14
Brass, sheet, average	Lb.	.25
Bronze, Tobin, average	Lb.	.20
Gasoline, motor grade	Gal.	.105
Metal, yellow	Lb.	.19
Oakum, Navy, spun	Lb.	.16
Oakum, Navy, unspun	Lb.	.16
Oil, gun and ice machine	Gal.	.25
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, medium, in drums, No. 2135	Gal.	.38
Oil, engine, gas, extra heavy, in cases, No. 2250	Gal.	.30
Oil, engine, gas, extra heavy, in drums, No. 2250	Gal.	.25
Oil, kerosene, in drums	Gal.	.08
Oil, marine engine	Gal.	.31
Paint, lead, white, dry	Lb.	.11
Paint, lead, white, in oil	Lb.	.09
Paint, zinc oxide, dry	Lb.	.08
Paint, zinc oxide, in oil	Lb.	.10
Grease, gear, chain and wire rope, lubricating	Lb.	.04
Grease, yellow, cup, No. 3, medium	Lb.	.06
Grease, yellow, cup, No. 5, hard	Lb.	.08
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.06
Waste, cotton, white	Lb.	.08

Lubricating Oils

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES.

OILS, FORCE FEED AND MOTOR CYLINDER.

Medium, No. 2135.—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.

Heavy, No. 2190.—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.

Extra heavy, No. 2250.—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.

Ultra heavy, No. 2310.—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.

Tractor, heavy, No. 3100.—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motorcycles, and Diesel engines S. A. E.-50.

Diesel engine lubricating.—For Diesel engines.

OILS, MISCELLANEOUS.

Ammonia cylinder (gun and ice machine grade No. 125).—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.

Car and locomotive.—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.

Castor.—Grade "A." Used for lubricating purposes of the highest grade.

Cutrite, soluble cutting.—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.

Fish.—Used as a rust preventive and for tempering.

Lard.—For use on pipe cutting and threading machines.

Insulating.—Switch (Electrical Division).

Insulating.—Transformer (Electrical Division).

Lubricant (gear, chain and wire rope).—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steam shovels, etc.

Machine, odorless.—For use on typewriters.

Marine engine, No. 4065, compounded.—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.

Mineral steam cylinder, No. 5150.—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).

Mineral steam cylinder, superheated.—For use on reciprocating steam engines using superheated steam.

Neatsfoot.—For softening and preserving leather.

Solvent.—Rust-preventing lubricant, for general use.

Sperm.—Used principally by U. S. Navy.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXVII. Balboa Heights, C.Z., December 15, 1933. No. 5.

Traffic Through the Panama Canal in November 1933

The total vessels of all kinds transiting the Canal during the month of November in the two preceding years and in 1933 are shown in this tabulation:

Class of vessels	November 1931	November 1932	November 1933		
			Atlantic to Pacific	Pacific to Atlantic	Total
Commercial ocean vessels	376	388	258	205	463
Launches (under 20 tons)	11	4	7	4	11
Noncommercial vessels:					
United States Government	26	42	24	10	34
Vessels for repairs	1	.....	.....	.....	.....
Byrd expedition	.....	.....	1	.....	1
Total	414	434	290	219	509

COMMERCIAL TRAFFIC [1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried and tolls collected, from the commercial traffic transiting the Canal each month for the 12-month period ended November 30, 1933, as compared with same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1931-32	1932-33	1931-32	1932-33	1931-32	1932-33	1931-32	1932-33
December	387	431	2,033,158	2,080,069	1,648,904	1,621,581	$1,757,869.54	$1,781,940.03
January	377	415	2,022,275	2,069,218	1,593,585	1,463,503	1,770,250.68	1,762,808.56
February	358	368	1,878,177	1,832,658	1,645,393	1,434,862	1,647,797.06	1,575,708.35
March	363	399	1,864,896	1,989,044	1,643,952	1,738,227	1,645,366.81	1,718,908.41
April	370	370	1,863,692	1,839,597	1,443,731	1,527,978	1,608,634.67	1,554,250.14
May	357	372	1,956,958	1,883,249	1,676,790	1,629,982	1,717,401.26	1,617,943.65
June	336	364	1,743,150	1,901,117	1,404,558	1,691,247	1,534,793.19	1,629,411.28
July	326	401	1,676,492	2,051,128	1,259,981	1,699,039	1,468,728.36	1,732,164.93
August	314	416	1,658,112	2,159,995	1,349,453	1,914,014	1,440,848.87	1,829,754.49
September	353	408	1,868,391	2,096,538	1,347,144	1,797,497	1,598,265.98	1,758,587.41
October	394	467	1,988,133	2,416,200	1,582,261	2,125,927	1,714,779.06	2,036,909.16
November	388	463	2,035,796	2,395,359	1,531,509	1,949,913	1,756,865.84	2,001,692.77
Total	4,323	4,874	22,589,230	24,714,172	18,127,261	20,593,770	19,661,601.32	21,000,079.18

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States, Panamanian, and Colombian Governments, including merchant vessels chartered by these Governments, and vessels transiting solely for repairs, do not pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Traffic by Nationality of Vessels for November 1933

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	101	588,019	397,215	Japanese	18	99,548	102,468
Chilean	2	7,230	6,510	Netherland	6	35,125	29,421
Danish	10	44,119	25,638	Norwegian	37	189,632	140,529
Danzig	3	24,093	32,393	Panamanian	37	17,378	4,759
Finnish	1	5,259	.....	Peruvian	2	[1] 5,415	200
French	8	44,815	32,522	Swedish	11	51,224	83,572
German	22	85,462	70,980	United States	192	1,141,655	964,474
Greek	3	12,866	15,288	Venezuelan	2	1,448	1,054
Italian	5	29,275	18,020	Yugoslav	3	12,796	24,870

[1] Includes naval vessel of 462 tons displacement in transits but not in tonnage.

Traffic by Trade Routes, November 1933

The movement of vessels over trade routes is summarized in the following table. They are classified according to primary origin and ultimate destination of the voyage through the Canal and the cargo listed is the total aboard at time of transit. Cargo may be laden or discharged between the terminal areas indicated, hence in the cargo listed below there may be some which had other origin or destination:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	79	469,068	145,296	78	480,178	661,825
East coast United States and:						
Canada	5	24,668	.....	1	4,094	4,122
Central America	2	4,291	.....	2	4,291	708
South America	16	80,475	8,385	9	44,430	98,106
Hawaiian Islands	3	15,099	2,864	4	20,319	28,645
Australasia	4	26,428	15,598	.....	.....	.....
Philippine Islands	5	32,681	20,869	6	38,909	32,693
Far East	22	120,491	127,755	5	26,514	24,965
Europe and:						
United States	6	34,060	4,851	1	5,312	9,000
Canada	37	194,266	40,906	41	226,868	309,290
South America	16	95,173	23,617	18	99,314	161,752
Australasia	11	99,978	19,144	5	39,843	28,255
Far East	.....	.....	.....	4	20,500	32,266
Canadian intercoastal	2	8,742	6,540	1	1,833	2,786
East coast Canada and:						
South America	1	3,812	.....	3	20,872	42,655
Australasia	2	8,599	4,976	2	9,690	3,534
Philippine Islands	1	6,145	2,200	.....	.....	.....
Far East	1	4,736	7,270	.....	.....	.....
East coast Central America and:						
South America	1	2,372	.....	.....	.....	.....
South American intercoastal	1	440	280	1	724	.....
East coast South America and:						
Canada	3	14,576	10,559	1	5,024	7,538
Far East	1	7,606	4,592	.....	.....	.....
Cristobal and:						
Central America	4	1,489	1,780	2	1,445	748
South America	9	5,271	2,730	8	4,230	4,297
Balboa	11	420	.....	10	349	393
West Indies and:						
United States	2	12,463	.....	1	5,514	10,159
South America	2	6,461	11,849	.....	.....	.....
Australasia	1	4,851	7,764	.....	.....	.....
Egypt and:						
South America	.....	.....	.....	1	4,178	8,800
Around the world	2	18,461	7,551	.....	.....	.....
Foreign vessels in ballast (U.S. intercoastal)	6	27,645	.....	.....	.....	.....
Vessels not engaged in commerce	[2] 2	161	.....	[2] 1	.....	.....
Total	258	1,330,928	477,376	205	1,064,431	1,472,537

[1] Yacht. [2] Naval.

Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in November 1933 and its destination by major geographical and trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	150,819	5,936	153,112	5,748	10,441	326,056
Other North America	1,128	10,322	7,371	17,979	17,897	54,697
Europe	31,849	10,303	.....	21,706	19,144	83,002
Miscellaneous	11,634	72	1,596	319	.....	13,621
Total	195,430	26,633	162,079	45,752	47,482	477,376

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	660,564	19,048	141,271	2,087	822,970
Canada	158	6,779	175,141	1,535	183,613
Other North America	30,066	1,870	336	.....	32,272
South America	95,242	50,777	160,791	8,800	315,610
Australasia	1,681	1,912	28,196	.....	31,789
Asia	52,337	1,680	32,266	.....	86,283
Total	840,048	82,066	538,001	12,422	1,472,537

Principal Commodities

Commodities which aggregated 10,000 or more tons either during the past month or in the corresponding month in 1932 are listed below:

Commodity	November		Commodity	November	
	1932	1933		1932	1933
Atlantic to Pacific	*Long tons*	*Long tons*	*Pacific to Atlantic*—Continued	*Long tons*	*Long tons*
Cotton, raw	51,783	58,118	Flour	16,556	23,855
Iron and steel, manufactures of	36,720	72,281	Fruit, dried	51,985	49,474
Oils, mineral	32,149	27,815	Fruit, fresh	50,312	28,709
Paper	16,783	16,969	Lumber	139,585	153,991
Phosphates	6,369	10,776	Metals	22,007	38,429
Scrap metal	7,121	37,893	Nitrates	7,350	69,595
Sulphur	7,928	10,700	Oils, mineral	339,014	496,101
Tinplate	7,321	11,664	Oils, vegetable	5,748	11,057
			Ores	5,420	84,036
Pacific to Atlantic.			Soy beans	7,700	32,266
Barley	14,524	16,284	Sugar	35,118	65,059
Beans, edible, dry	6,473	11,652	Wheat	253,246	125,828
Canned goods, various	74,619	77,840	Wood pulp	12,587	10,597
Cold storage (food products) [1]	12,687	21,502	.....	.....	.....

[1] Does not include fresh fruit.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of November 1933, as reported in the cargo declarations, showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations small items are frequently grouped under the designation of "general cargo"; the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts	35	.....	35	.....
Agricultural implements	846	25	1,897	28
Alfalfa meal	.....	1,203	.....	1,613
Ammonium compounds	35	.....	2,016	8,161
Animal foods [1]	122	762	122	957
Apparel, wearing (hats, shoes, clothing, etc.)	151	8	153	94
Asbestos	68	.....	554	24
Asphalt and tar	290	19	6,986	165
Automobiles (and autotrucks)	1,601	43	5,060	48
Automobile parts and accessories	890	67	3,060	67
Bags and bagging, textile	87	.....	2,016	51
Bananas	.....	.....	62	1,073
Barks, miscellaneous	.....	153	.....	412
Barley	.....	431	.....	16,284
Beans, edible, dry	.....	7,937	125	11,652
Beer	14	.....	37	15
Beverages, nonalcoholic	12	.....	68	10
Blood and tankage	120	.....	120	.....
Bones and bone meal	.....	.....	4,162	.....
Books and printed matter	69	.....	70	1
Borax	.....	962	10	7,290
Bran and pollards	.....	45	310	3,597

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Bricks and tile	67	.....	449	.....
Camphor, crude	.....	.....	.....	192
Canned and preserved goods:				
Fish	318	7,755	617	12,775
Fruit	314	26,738	583	46,519
Meat	.....	636	776	833
Milk	31	690	761	855
Soup	1,086	1,276	1,241	1,292
Vegetables	294	7,999	494	8,312
Miscellaneous and unclassified	2,287	5,973	2,997	7,254
Carbon black	214	.....	831	.....
Celite	.....	412	.....	472
Cement	467	.....	7,779	.....
Chalk	.....	.....	1,166	.....
Charcoal	36	36	36	71
Chemicals [1]	2,634	2,032	5,283	2,175
Clay, china and fire	602	.....	671	.....
Coal	.....	.....	1,832	.....
Cocoa and cacao beans	132	.....	431	353
Coconuts and products [1]	92	1,105	190	1,432
Coffee	219	143	5,748	6,810
Coke	.....	.....	4,840	.....
Cold storage and refrigerated products:				
Dairy products	31	.....	364	16,179
Eggs	.....	413	15	531
Fish	16	24	114	408
Lard	79	.....	85	.....
Meats	.....	24	70	3,842
Vegetables	.....	80	18	115
Other and unclassified	18	.....	37	427
Confectionery	1,236	5	1,286	5
Copra	.....	.....	.....	4,928
Copra meal and cake	.....	.....	.....	1,408
Corn	5,185	.....	5,185	.....
Cotton, raw	258	1,401	58,118	4,586
Creosote	4,204	.....	4,247	.....
Drugs and medicines	1,222	21	1,451	21
Dyes	.....	.....	169	.....
Earthenware	55	35	96	35
Electrical apparatus and appliances	465	109	579	149
Explosives	17	3	665	67
Extract, quebracho	.....	.....	770	.....
Fertilizers [1]	36	211	1,160	6,245
Fish, salted or dry cured	10	7	285	43
Fish meal	.....	.....	.....	2,676
Floor coverings	318	964	318	1,010
Flour	156	19,381	1,094	23,855
Fruit, dried	474	17,020	667	49,474
Furniture and household goods	637	412	660	412
Fruit, fresh [1]	364	4,177	741	28,709
General	22,299	7,647	44,800	24,098
Glass and glassware	2,355	104	4,384	262
Glue	46	101	46	101
Groceries	768	60	967	60
Guano	.....	25	.....	25
Gums	.....	65	.....	113
Hair, all kinds	.....	41	.....	45
Hay	.....	175	.....	400
Hemp, unmanufactured	.....	91	30	844
Honey	.....	200	52	234
Hops	.....	149	48	160
Horns and hoofs	27	.....	210	15
Infusorial earth	.....	242	.....	482
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	45,765	1,129	72,281	1,374
Ivory nuts	.....	.....	.....	2,847
Lard substitute	503	.....	503	.....
Lime	.....	.....	228	.....
Liquors	216	285	1,164	329
Lumber (including manufactured mill products)	529	81,073	613	153,991
Machinery	2,620	409	6,184	573
Malt	93	.....	282	.....
Manufactured goods [1]	5,604	949	9,160	1,556
Marble and granite	27	.....	112	.....
Matches	168	373	201	603
Metals:				
Antimony	.....	.....	11	25
Copper	.....	7,120	224	22,467
Gold and silver	.....	16	92	36
Iron	566	.....	766	.....

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Metals—Continued:				
Lead	.....	3,322	902	9,068
Tin	25	235	108	2,892
Zinc	210	.....	539	4,382
Other and unclassified	19	56	4,121	559
Milk, powdered	.....	497	40	930
Molasses and syrups	174	10	181	8,200
Nitrates	4,151	1,000	5,740	69,595
Nuts, edible (including meats)	13	999	116	1,619
Oats	105	1,908	118	6,117
Oils, mineral:				
Crude	429	15,727	555	97,599
Gas and fuel	26	213,475	1,253	219,812
Gasoline, benzine and naphtha	.....	119,516	11,616	150,127
Kerosene	.....	27,610	396	27,982
Lubricating and greases	3,942	133	13,974	581
Other and unclassified	21	.....	21	.....
Oils, vegetable:				
Coconut	.....	.....	100	9,139
Cottonseed	111	.....	111	.....
Linseed	388	15	1,588	15
Olive	.....	.....	215	.....
Rapeseed	.....	.....	.....	567
Wood	15	.....	15	733
Other and unclassified	51	39	235	603
Oil, fish	13	982	73	1,001
Oil, whale	.....	.....	19	30
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	.....	113	474	1,074
Oilseed cake and meal	270	.....	272	3,436
Ores:				
Copper	.....	.....	.....	7,162
Gold and silver	.....	.....	.....	3,518
Iron	.....	.....	12	65,342
Lead	.....	.....	.....	1,983
Magnestie	.....	388	.....	388
Manganese	145	.....	145	25
Tin	.....	36	.....	440
Zinc	.....	.....	.....	4,459
Other and unclassified	30	281	30	719
Paints and varnishes	520	52	969	102
Paper and paper products [1]	4,346	6,871	16,969	8,907
Paper scrap	.....	2,119	590	2,119
Peanuts	633	305	633	305
Peas, dry	.....	233	.....	488
Peatmoss	.....	.....	378	.....
Phosphates	58	.....	10,776	.....
Porcelainware	48	180	495	2,736
Potash	83	2,189	150	2,689
Pyrethrum flowers	.....	26	.....	145
Rags and waste	340	323	735	684
Railroad material	618	.....	4,075	.....
Rice	431	949	1,233	3,386
Rope and twine	175	37	198	55
Rosin	1,061	.....	4,337	.....
Rubber:				
Manufactured	522	20	1,090	29
Raw	.....	58	.....	542
Scrap	.....	230	100	321
Salt	149	.....	3,720	61
Sand	15	.....	3,247	.....
Scrap metal	168	130	37,893	211
Seeds (except oilseeds)	45	526	498	1,107
Sewer pipe (concrete and terra cotta)	293	.....	293	.....
Shells, oyster	769	.....	769	.....
Silk, raw	.....	1,039	.....	1,784
Skins and hides	15	2,131	172	4,449
Slag	.....	.....	25	.....
Slate	478	.....	478	.....
Soaps and products	1,704	120	1,838	188
Soda and sodium compounds	1,274	.....	4,513	157
Soy beans	80	.....	80	32,266
Sugar	67	15,020	8,309	65,059
Sulphur	10,700	.....	10,700	.....
Talc	.....	125	15	132
Tallow	.....	.....	60	1,075
Tea	34	54	106	1,054
Textiles [2]	3,141	368	5,530	1,148
Tinplate	869	.....	11,664	48
Tobacco and manufactures	1,003	30	6,722	44
Toilet preparations	288	.....	293	.....

[1] Except as otherwise classified. [2] Cotton, silk, wool, rayon goods.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Turpentine	55	.....	480	.....
Vegetables, dry [1]	27	102	350	278
Wall board	59	.....	169	116
Wax, paraffin	204	.....	1,657	.....
Wheat	.....	16,679	.....	125,828
Wines	45	1,761	847	2,029
Wood pulp	850	8,249	7,095	10,597
Wool	14	3,305	16	5,649
Total, November 1933	150,819	660,564	477,376	1,472,537
Total, November 1932	127,895	440,303	343,229	1,188,280
Total, November 1931	144,087	389,579	472,373	1,105,150

[1] Except as otherwise classified.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during November 1933, classified according to trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	30	189,363	[1] 4,204	31	195,991	[2] 383,424
East coast of United States and South America	4	24,512	.....	1	5,049	10,165
United States and Hawaiian Islands	1	4,412	.....	1	4,286	[3] 8,190
United States and Philippine Islands	.....	.....	.....	1	3,902	[4] 6,800
East coast of Canada and South America	.....	.....	.....	3	20,872	42,655
West Indies and United States	1	7,909	.....	1	5,514	10,159
West Indies and South America	2	6,461	11,849	.....	.....	.....
South American intercoastal	.....	.....	.....	1	724	.....
Europe and United States	2	11,519	.....	1	5,312	9,000
Europe and South America	3	22,861	.....	3	23,541	45,463
Total	43	267,037	16,053	43	265,191	515,856

[1] Creosote. [2] Includes 7,116 tons of wheat. [3] Molasses. [4] Coconut oil.

Comparison of Canal Traffic in November 1933 with November Traffic in Previous Years

Calendar year	Month of November			Fiscal year	Average per month for fiscal year		
	Commercial transits	Panama Canal net tonnage	Tons of cargo		Commercial transits	Panama Canal net tonnage	Tons of cargo
1914	[1] 89	312,805	446,773	1915	[2] 102	361,197	465,567
1915	([3])	.....	.....	1916	63	199,687	257,843
1916	147	436,058	512,826	1917	150	483,213	588,213
1917	183	586,519	696,328	1918	172	547,839	627,669
1918	182	510,533	626,728	1919	169	510,416	576,385
1919	180	597,148	575,480	1920	206	712,170	781,208
1920	238	929,875	984,910	1921	241	951,323	966,601
1921	222	942,411	855,440	1922	228	951,455	907,075
1922	294	1,337,280	1,426,860	1923	331	1,550,482	1,630,656
1923	436	2,193,865	2,218,295	1924	436	2,179,073	2,249,559
1924	384	1,872,531	1,961,593	1925	389	1,904,596	1,996,570
1925	424	2,028,034	2,023,398	1926	433	2,064,549	2,169,787
1926	428	2,032,488	2,272,449	1927	456	2,185,651	2,312,351
1927	559	2,591,717	2,488,882	1928	538	2,454,886	2,469,226
1928	527	2,468,297	2,501,630	1929	534	2,468,483	2,555,250
1929	525	2,498,906	2,534,631	1930	515	2,498,385	2,502,519
1930	479	2,371,487	2,263,200	1931	461	2,316,012	2,090,233
1931	376	2,001,745	1,577,523	1932	376	1,968,785	1,650,667
1932	388	2,035,796	1,531,509	1933	375	1,901,823	1,514,811
1933	463	2,395,359	1,949,913	([4])	404	2,057,646	1,724,744

[1] Canal opened August 15, 1914. [2] Average for 10½ months of fiscal year ended June 30, 1915. [3] Canal closed on account of slides. [4] Average for first 11 months calendar year 1933.

Terminal Activities

Ships repaired during the month of November 1933 numbered 45, including 8 which were drydocked. Fuel oil in the quantity of 345,362 barrels was delivered as bunkers to 121 commercial vessels. Bunker coal amounting to 3,958 tons was delivered to 15 vessels. Sales of commissary supplies to ships aggregated $31,602.74.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving.....tons..	47,844	32,881	80,725
Local cargo shipped.....tons..	6,184	564	6,748
Cargo received for transshipment.....tons..	24,798	1,019	25,817
Cargo transshipped.....tons..	24,607	675	25,282
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	78	45	123
Number of releases issued.....	858	356	1,214
Tons received.....	338	405	743
Tons withdrawn.....	566	363	929

All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
Ships entering						
All vessels, including those transiting Canal.	511	3,305,962	1,970,232	473	2,987,191	1,794,952
Vessels entering port but not transiting Canal.	68	410,038	231,321	14	66,237	35,649
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	103	758,319	442,500	90	664,548	378,690
Ships clearing						
All vessels, including those transiting Canal..	511	3,266,770	1,945,292	465	2,969,530	1,782,917
Vessels clearing port but not transiting Canal..	69	401,967	224,680	16	67,254	36,264
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	102	745,770	435,671	91	670,193	382,190

Cargo Discharged and Laden in Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, November 15, 1933, to midnight, December 15, 1933. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Acajutla, 0, 886; Cerigo, 0, 751; Nansenville, 0, 27; Cristobal, 1,464, 449; Santa Cecilia, 259, ½; Peten, 397, 57; Zacapa, 499, 384; Canadian Cruiser, 20, 138; Colombia, 4, 223; Santa Elena, 250, 222; Santa Inez, 98, 612; Santa Marta, 416, 198; Pastores, 54, 140½; Henderson, 3, 15; Granville, 195, 0; Oregon, 13, 154; Manizales, 464, 324; Alda, 58, 43; San Anselmo, 0, 82; Santa Paula, 119, 59; Peten, 14, 87; Tacoma, 110, 0; Endurance, 0, 28; Contessa, 147½, 628; Velma Lykes, 175, 139; Rhein, 66, 691; Hokuroku Maru, 0, 134; Drechtdijk, 0, 4½; Rancher, 140, 0; Vinland, 4, 0; Buenaventura, 1,456, 428; Santa Clara, 90, 302½; Brion, ½, 62; Barneveld, 509, 367; Nuevo Panama, 242, 104½; Santa Maria, 893, 1; Chicasaw City, 473, 0; Carillo, 593, 161; Santa Teresa, 59, 566; President Polk, 1, 0; Veragua, 455, 1; Calamares, 372, 349; Colombia, 21, 460; San Simeon, 112, 0; Hakkai Maru, 335, 146; Delftdyk, 111, 16; Vancouver, 232, 32; Salvador, 509, 668; Reina del Pacifico, 80½, 265; Tai Yang, 785, 0; Soyo Maru, 180, 0; Durazzo, 1,178, 271; Kreta, 101, 500; President McKinley, 644, 0; Veragua, 59½, 631; Emergency Aid, 257, 39; San Gil, 13, 0; Istmo, 500, 236; Orduna, 18, 11½; Flandre, 65, 502; Carmelita, 47, 5½; Kyphissia, 25, 107; Cefalu, 189, 452; Santa Rita, 160, 45; Venezuela, 72, 57; West Cape, 0, 107; President Wilson, 0, 16; Ancon, 1,712, 553; Santa Ana, 419, 40; Quirigua, 542, 74; Turrialba, 1,011, 301; Metapan, 251, 479; Santa Lucia, 95, 379; Haiti, 124, 487; Santa Isabel, 185, 758; Cali, 830, 333; Havel, 104, 215; Venezuela, 3, 400; Baarn, 7, 126; Cordillera, 98, 0; Knute Nelson, 0, 70; California, 31, 0; Santa Rosa, 222, 19; Ward, 145, 0; Quirigua, 35, 347; Darian, 218, 0; Neil Maersk, 200, 0; Spreewald, 19, ½; Atlantida, 243, 700; Baru, 0, 56; Orazio, 39, 567; San Bernardino, 273, 0; Tillie Lykes, 314, 49; Santa Barbara, 760, 1; Wyoming, 33, 0; San Jose, 68, 64; Buenos Aires, 0, 187; Syra, 18, 266; Seattle, 66, 31; Guayaquil, 1,042, 424; West Nilus, 41, 0; Sixaola, 669, 265; Peten, 233, 124; Santa Cecilia, 55, 252; Santa Maria, 161, 69; Istmo, 177, 129; Manizales, 293, 305; Costa Rica, 78, 0; Nebraska, 1, 76; Canadian Conqueror, 0, 580; Zenon, 361, 0; Brion, 102, 56; Vigilant, 26, 48; Acajutla, 257, 0; Sutherland, 260, 0; Santa Marta, 363, 233; Pastores, 105, 367; President Lincoln, 229, 0; Roland, 83, 638½; Cerigo, 376, 398; Kwanto Maru, 560, 93; Belfast Maru, 270, 2; Peten, 17, 188; Santa Olivia, 249, 75; Canadian Victor, 0, 8; Cefalu, 258, 531; Cordillera, 14, 677; Magallanes, 102, 0; Cuba, 86, 733; Tactician, 251, 0; San Francisco, 33, 159; Toba Maru, 321, 0; Cristobal, 1,803, 0; Erfurt, 19, 38; Lochmonar, 58, 45; San Diego, 25, 60; Manuel Arnus, 1¼, 186; Santa Elisa, 273, 81; Zacapa, 747, 0; Veragua, 170, 81; Peter Kerr, 109, 0.

BALBOA

Santa Cecilia, 26, 1; Pennsylvania, 30, 0; Galveston, 236, 0; Acajutla, 0, 42 pounds; Chiriqui, 320, 5; Astoria, 3,743, 0; Santa Inez, 55, 206; Santa Elena, 57, 37; Granville, 468, 0; Santa Paula, 46, 21; Santa Maria, 0, 1; Santa Clara, 157, 20; Santa Teresa, 155, 16; Salvador, 1, 0; Reina del Pacifico, 0, 1; Tai Yang, 120, 0; Antigua, 278, 54; Point Ancha, 104, 0; San Marcas, 3, 0; Santa Rita, 17, 0; Neches, 78, 4; Canada, 80, 0; Santa Ana, 75, 36; California, 10, 0; Knute Nelson, 10, 0; Santa Lucia, 152, 27; Talamanca, 348, 26; Clam, 10,059, 0; Baarn, 165, 28; Santa Rosa, 64, 0; Ward, 134, 0; San Blas, 200 pounds, 0; Rangitiki, 27, 0; Istmo, 198, 0; Santa Cecilia, 25, 28; President Adams, 2, 0; Santa Maria, 83, 60; Chiriqui, 406, 280; Kwanto Maru, 285, 0; Benjamin Franklin, 87, 0; Glenpool, 1,908, 0; Cerigo, 0, 356 pounds; Santa Elisa, 13, 600 pounds.

Passengers

Ocean ship passengers disembarking at Cristobal numbered 1,476; embarking, 1,322; at Balboa, 724 disembarking and 550 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 4,471; from the Pacific to the Atlantic, 2,117. Aircraft numbering 45 entered Cristobal and 103 passengers disembarked; clearances were 45, with 108 passengers embarking. One aircraft entered Balboa, discharging 3 passengers; 3 aircraft cleared with no passengers embarking.

Movements of Ocean Vessels Through the Panama Canal

From midnight November 15, to midnight December 15, 1933

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Cape of Good Hope.[2]	15	16	Brit...	Chilean Nitrate Co...	Bilbao, Spain....	Tocopilla, Chile..	Ballast.....	.....
Sheaf Crown.....	16	16	Brit...	Thos. Rice & Co.....	Tampa, Fla.....	Yokohama, Japan	([15])	.....
F. J. Luckenbach.	16	16	Amer..	Luckenbach Line....	Boston, Mass....	Tacoma, Wash..	General.....	2,369
Chr. Knudsen[2]...	16	16	Nor...	A. Borgestad.....	Everglades, Fla..	Yokohama, Japan	Scrap iron...	7,797
Moldanger[2].....	16	16	Nor...	Intercocean Line.....	Rotterdam, Neth.	S. Francisco, Cal.	Linseed oil..	630
Birmingham City.	16	17	Amer..	Isthmian S.S. Lines..	Baltimore, Md...	Seattle, Wash...	General.....	6,256
President Lincoln.	16	17	Amer..	Dollar Line.....	New York, N.Y.	S. Francisco, Cal.	General.....	1,298
Pennsylvania....	17	17	Amer..	Panama-Pacific Line.	New York, N.Y.	S. Francisco, Cal.	General.....	2,282
Olovsborg.....	17	17	Fin....	Zachariassen & Co...	Newport, Eng...	Brit. Columbia[14].	Ballast.....	.....
Glenpool[7].....	17	17	Amer..	Standard Ship. Co...	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Cerigo.....	11	17	Ger...	Hamburg-Amer. Line.	Cristobal, C.Z...	Guayaquil, Ecuad	General.....	678
Nordpol[2].....	17	18	Dan...	Anglo-Chil. Nit. Corp.	Wilmington, N.C.	Chile.....	Ballast.....	.....
L-53[5].....	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	Ped. Miguel, C.Z.	([16])	.....
Levant Arrow[7]...	16	18	Amer..	Stand. Vacuum Tr'sp.	Providence, R.I..	Los Angeles, Cal.	Ballast.....	.....
Jutland.....	17	18	Brit...	Glen & Co.....	London, Eng....	Vancouver, B.C..	Ballast.....	.....
Wind Rush.....	18	18	Amer..	Shepard S.S. Co.....	N. Bedford, Mass	Tacoma, Wash..	General.....	4,330
Vardaas[1] [2].....	18	18	Nor...	Anglo-Saxon Pet. Co..	Stockholm, Swed.	Los Angeles, Cal.	Ballast.....	.....
Acajutla.....	11	18	Brit...	Pacific Steam Nav. Co	Cristobal, C.Z...	Champ'ico, Guat.	General.....	800
Forbes Hauptman	18	18	Amer..	McCormick S.S. Co..	New York, N.Y.	Seattle, Wash...	General.....	1,667
Hartlepool.....	17	18	Brit...	J. & C. Harrison.....	Mobile, Ala.....	Yawata, Japan..	([17])	8,019
Massmar.....	18	18	Amer..	Calmar S.S. Corp....	Baltimore, Md...	Seattle, Wash...	Steel, gen...	6,425
Omah Perino[5].....	...	...	Amer..	W. L. Stilson.....	Cristobal, C.Z...	Gatun, C.Z.....	Ballast.....	.....
Santa Elena.....	18	19	Amer..	Panama Mail S.S. Co.	New York, N.Y.	Seattle, Wash...	General.....	1,863
Santa Inez[2].....	18	19	Amer..	Grace Line.....	New York, N.Y.	Talcahuano, Chile	General.....	1,764
Tainui.....	19	19	Brit...	Shaw, Savill & Albion	London, Eng....	Wellington, N.Z..	General.....	3,000
Point Caleta.....	18	19	Amer..	Gulf-Pacific Line.....	Houston, Tex....	Seattle, Wash...	([18])	4,464
Nevadan.....	19	19	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Portland, Oreg...	General.....	1,552
Cambridge.....	19	20	Brit...	Fed. Steam Nav. Co..	Falmouth, Eng..	N.Plymouth, N.Z.	General.....	2,850
Granville[2].....	19	20	Pan...	Fred Olsen Line.....	Oslo, Norway....	Vancouver, B.C..	([19])	2,060
Langleeford.....	19	19	Brit...	Dale & Co.....	Trinidad, B.W.I.	Brit. Columbia..	Ballast.....	.....
Istmo.....	15	20	Pan...	Elliot Ship. & Land Co.	Goth'burg, Swed.	B'ventura, Col...	Salt.....	280
Teal[5].....	...	...	Amer..	P. A. White.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
E. T. Bedford[1] [2].	20	20	Amer..	Standard Ship. Co...	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
L-53[5].....	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	Gatun, C.Z.....	Ballast.....	.....
Javanese Prince[2].	20	21	Brit...	Prince Line, Ltd.....	Halifax, N.S.....	Manila, P.I.....	General.....	2,200
Santa Cecilia.....	20	21	Amer..	Argonaut S.S. Co....	New York, N.Y.	Seattle, Wash...	General.....	5,917
Condor.....	21	21	Chile..	R. W. James & Co...	New York, N.Y.	Valparaiso, Chile.	Ballast.....	.....
Pomona.....	21	21	Amer..	Nacirema Oper'g Co..	Boston, Mass....	Seattle, Wash...	General.....	394
Leise Maersk[2]...	21	21	Dan...	A. P. Moller.....	Pt. Limon, C.R..	Chincha Islands..	Ballast.....	.....
Dalveen.....	21	21	Brit...	Chile Nitrate Corp...	New Orleans, La.	Tocopilla, Chile..	Ballast.....	.....
Columbian.....	21	...	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash...	General.....	1,600
Manizales.....	20	21	Ger...	North German Lloyd.	Cristobal, C.Z...	Guayaquil, Ecuad	General.....	270
Invercorrie[2].....	21	22	Ven...	Standard Ship. Co....	Aruba, D.W.I....	B'ventura, Col...	Gasoline...	1,054
El Libertador[3]...	20	...	Pan...	N. Pinel.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
El Sona[3].....	20	...	Pan...	N. Pinel.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Trelissick.....	21	23	Brit...	Hain S.S. Co.....	Norfolk, Va.....	Tocopilla, Chile..	Ballast.....	.....
J. M. Danziger[7]..	21	22	Amer..	Standard Ship. Co...	Fall River, Mass.	Los Angeles, Cal.	Ballast.....	.....
Cities Service Empire.[2]	21	22	Amer..	The Texas Co.....	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Asuka Maru[2]....	22	22	Jap...	Nippon Yusen Kaisha	Baltimore, Md...	Moji, Japan.....	General.....	8,574
Bradglen.....	22	22	Brit...	Berth Service.....	Panama City, Fla.	Yawata, Japan..	([20])	6,979
Marsodak.....	21	22	Amer..	Nelson Line.....	Newp't News, Va.	S. Francisco, Cal.	Ballast.....	.....
Geddington Court.	22	22	Brit...	Canadian Transp. Co.	Sunderland, Eng.	Vancouver, B.C..	Ballast.....	.....
Hokuroku Maru[2].	22	22	Jap...	Osaka Shosen Kaisha.	Philadelphia, Pa.	Moji, Japan.....	General.....	6,451
C. A. Canfield[4]...	22	22	Amer..	Standard Ship. Co...	Baltimore, Md...	Los Angeles, Cal.	Ballast.....	.....
Elmworth[2].....	22	22	Brit...	Canadian Transp. Co.	Montreal, Can...	Tacoma, Wash..	General.....	6,540
Rio de Janeiro Maru.[2]	22	22	Jap...	Osaka Shosen Kaisha.	Montevideo, Uru.	Kobe, Japan....	General.....	4,592
Walter A. Luckenbach.	22	23	Amer..	Luckenbach Line....	Boston, Mass....	Seattle, Wash...	General.....	2,357
Sambu[3].....	21	...	Pan...	Hans Elliot.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Real[3].....	21	...	Pan...	Hans Elliot.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Somersby.....	22	23	Brit...	Dale & Co.....	Montreal, Canada	Vancouver, B.C..	Ballast.....	.....
Yankee[6].....	22	26	Amer..	Irving Johnson.....	Gloucester, Mass.	Galapagos, Is....	Ballast.....	.....
Arizona.....	22	23	Fr.....	French Line.....	Havre, France...	Valparaiso, Chile.	General.....	1,348
Acacia[13].....	23	...	Amer..	U.S. Government....	San Juan, P.R...	Balboa, C.Z.....	Ballast.....	.....
Vinland[3].....	22	23	Nor...	Scand. S. Pacific Line.	Oslo, Norway....	Valparaiso, Chile.	General.....	3,311
San Gil.....	23	25	Pan...	United Fruit Co....	Philadelphia, Pa.	Pto. Arm'les, R.P.	Ballast.....	.....
El Aleto[4] [2].....	22	23	Brit...	Anglo-Ecuad. Oil Co..	Philadelphia, Pa.	LaLibertad, Ecua.	Ballast.....	.....
Hoyanger[2].....	22	23	Nor...	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B.C..	Coffee, bones	1,235
Nordbo[2].....	22	23	Dan...	Anglo-Can. Ship. Co..	Grimsby, Eng...	Vancouver, B.C..	Coal.....	1,525

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [6] Yacht. [13] Lighthouse tender.
[14] For orders. [15] Phosphate, cotton. [16] Towing barge. [17] Cotton, scrap steel. [18] Corn, steel, pipe, etc.
[19] Cement, paper, etc. [20] Scrap iron, cotton.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Nordkap [2]	22	23	Dan.	Anglo-Can. Ship. Co.	Swansea, Eng.	Los Angeles, Cal.	Ballast	.....
Northumberland	23	23	Brit.	N.Z. Shipping Co.	Falmouth, Eng.	New Zealand	Ballast	.....
Vikingstar	23	23	Brit.	Blue Star Line	Tyne, England	Vancouver, B.C.	Ballast	.....
Muncaster Castle. [2]	23	23	Brit.	Barber Line	New York, N.Y.	Hongkong, China	General	1,893
Santa Clara	23	24	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	1,941
President Polk	24	24	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	3,806
Sultan Star	23	24	Brit.	Blue Star Line	London, Eng.	Wellington, N.Z.	Ballast	.....
Dagfred [2]	24	24	Nor.	J. P. Pedersen & Son	Albany, N.Y.	Los Angeles, Cal.	Ballast	.....
Ethel Radcliffe	24	24	Brit.	Anglo-Can. Ship. Co.	Baltimore, Md.	Vancouver, B.C.	Ballast	.....
Heinrich V. Riedemann. [1] [2]	24	24	Danz.	W. Tankschiff Rhed'i.	Havre, France	Talara, Peru	Ballast	.....
Sunnanvik [2]	24	24	Swed.	Maersk Line	Baltimore, Md.	Iloilo, P.I.	([23])	6,783
Rimac [8]	24	25	Peru	Peruvian Government	Hole Haven, Eng.	Callao, Peru	Naval sup.	200
Santa Teresa	24	25	Amer.	Panama Mail S.S. Co.	Philadelphia, Pa.	S. Francisco, Cal.	General	2,731
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Sambu [3]	23	...	Pan.	Hans Elliot	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Ferndale [2]	25	25	Nor.	Fearnley & Eger	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Langleegorse	25	25	Brit.	Canadian Transp. Co.	Tyne, England	Vancouver, B.C.	Ballast	.....
Pacific Grove [2]	25	25	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B.C.	General	487
Gulfwax [1]	25	25	Amer.	Gulf Refining Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Svealand [2]	25	25	Swed.	Ore S.S. Corp.	Sparrows Pt., Md.	Cruz Gr'de, Chile	Ballast	.....
Aden Maru	25	25	Jap.	Kokusai Kisen Kaisha	Chester, Pa.	Yawata, Japan	([24])	7,572
San Simeon	25	25	Amer.	Quaker Line	New York, N.Y.	Tacoma, Wash.	General	1,488
Mathew Luckenbach.	25	25	Amer.	Luckenbach Line	Houston, Tex.	Seattle, Wash.	Gen., grain	4,868
Rhein [2]	22	25	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	3,313
Constance Chandler.	25	25	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	1,560
E. J. Bullock [2]	25	25	Amer.	Standard Ship. Co.	Baltimore, Md.	Los Angeles. Cal.	Ballast	.....
San Francisco	25	25	Fr.	French Line	Antwerp, Belg.	Vancouver, B.C.	Gen., coke	4,187
Reina del Pacifico [2]	25	26	Brit.	Pacific Steam Nav. Co	Liverpool, Eng.	Valparaiso, Chile.	General	3,169
Nuevo Panama [2]	24	26	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	125
Chickasaw City	24	26	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Honolulu, T.H.	Steel, gen.	2,864
President Herrenschmidt. [1] [2]	25	26	Nor.	Pechelbronn	Port de Bouc., Fr.	Talara, Peru	Ballast	.....
Delftdijk [2]	25	26	Neth.	N. Pac. Coast Line	Rotterdam, Neth.	Vancouver, B.C.	General	1,121
Atlantic Maru	25	26	Jap.	Kokusai Line	Montreal, Canada	Yawata, Japan	Scrap steel	7,270
Kentuckian	25	26	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	S. Francisco, Cal.	General	1,853
Portmar	25	26	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	General	4,835
Cape Cornwall	26	26	Brit.	Lyle Shipping Co.	Hull, England	Vancouver, B.C.	Ballast	.....
Tuscaloosa City	26	26	Amer.	Isthmian S.S. Lines	Swansea, Eng.	Vancouver, B.C.	Gen., steel	4,757
Brion	23	26	Neth.	Royal Neth. S.S. Co.	Amsterdam, Neth	B'ventura, Col.	General	28
Wilhelm A. Reidemann. [1] [2]	26	27	Ger.	Agwi Petrol. Corp.	Fawley, England.	Talara, Peru	Ballast	.....
Atlanta City	27	27	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Hawaiian Islands	Ballast	.....
Vancouver	25	27	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	5,231
Edda	27	27	Ital.	Nav. Libera Triestina	Barry, England	Seattle, Wash.	Ballast	.....
Bronxville [2]	27	27	Nor.	Fern Line	New Orleans, La.	Yokohama, Japan	Cotton, lead.	5,551
Port Sydney	27	27	Brit.	Com. & Dom. Line	New York, N.Y.	Adelaide, Aus'lia.	General	4,512
Emergency Aid	27	27	Amer.	Pac.-Arg.-Brazil Line.	Rosario, Arg.	Seattle, Wash.	([25])	4,434
Hardingham	27	27	Brit.	J. & C. Harrison	Norfolk, Va.	Arica, Chile	Ballast	.....
Lapwing [10]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Neches [1]	27	28	Amer.	U.S. Navy	Guanta'o, Cuba	San Diego, Cal.	Misc.	.....
King City	27	28	Brit.	Reardon Smith Line	Galveston, Tex.	Shanghai, China	([24])	7,748
S-10 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Moveria [2]	27	28	Brit.	Donaldson Line	Glasgow, Scot.	Vancouver, B.C.	General	616
Buffalo Bridge	27	29	Amer.	Stanffer Chemical Co.	New Orleans, La.	S. Francisco, Cal.	Sulphur	4,500
Tivy	27	3	Nor.	Chile Nitrate Co.	Montreal, Canada	Antof'gasta, Chile	Ballast	.....
Tiradentes [2]	27	28	Nor.	W. Wilhelmsen	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Java Arrow [1]	27	28	Amer.	Stand. Vacuum Tr'sp.	New York, N.Y.	S. Francisco, Cal.	Ballast	.....
Golden River	28	28	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	1,316
Iowan	28	28	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,008
Istmo	27	29	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	220
Durazzo	26	29	Ger.	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil, Ecuad	General	270
Chester Sun [1] [2]	28	29	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Bente Maersk [1] [2]	29	29	Dan.	Standard Oil Co.	New York, N.Y.	Talara, Peru	Ballast	.....
Aurora [6]	29	2	Amer.	Lewis S. Stone	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Cities Service Toledo. [1]	29	30	Amer.	Warner Quinlan Co.	New York, N.Y.	S. Francisco, Cal.	Ballast	.....
Tuira [3]	28	...	Pan.	A. A. Valdez	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Real [3]	28	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Sambu [3]	28	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Franklin K. Lane [1]	29	30	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
William Rockefeller. [1]	29	...	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [6] Yacht. [7] Submarine. [8] Transport. [10] Mine sweeper. [23] Scrap iron, general. [24] Scrap iron, cotton. [25] Bones, coffee, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Deroche [8]	29	30	Amer.	Union Oil Co.	Jacksonville, Fla.	Los Angeles, Cal.	Ballast	.....
Paul Luckenbach	29	30	Amer.	Luckenbach Line	Providence, R.I.	Seattle, Wash.	General	1,942
West Cape	30	30	Amer.	McCormick S.S. Co.	Philadelphia, Pa.	Tacoma, Wash.	General	2,299
Rangitata [2]	30	1	Brit.	N.Z. Shipping Co.	London, Eng.	Wellington, N.Z.	General	3,083
Canada [2]	30	1	Swed.	Johnson Line	Goth'burg, Swed.	San Diego, Cal.	([14])	5,143
Taihei Maru [2]	30	1	Jap.	Mitsui Bussan Kaisha	New York, N.Y.	Kobe, Japan	([15])	3,397
President Wilson	30	1	Amer.	Dollar Line	New York, N.Y.	Manila, P.I.	General	1,370
California	1	2	Amer.	Panama-Pacific Line	New York, N.Y.	S. Francisco, Cal.	General	2,397
Newton Beech	30	1	Brit.	Ridley, Son & Tully	New York, N.Y.	Brit. Columbia	Ballast	.....
San Blas	1	1	Pan.	United Fruit Co.	Philadelphia, Pa.	Pto. Arm'les, R.P	Ballast	.....
Cornwall	30	1	Brit.	FederalSteamNav.Co.	Newport, Eng.	Bluff, N.Z.	General	10,235
Fernwood [2]	1	1	Nor.	Fern Line	Houston, Tex.	Shanghai, China	Cotton, zinc.	5,000
Silvercedar [2]	1	1	Brit.	S. & J. Thompson	New Orleans, La.	Shanghai, China.	Cotton	4,316
Llanarth	1	1	Brit.	Evan T. Radcliffe Co.	Baltimore, Md.	Arica, Chile	Ballast	.....
Amerikaland [2]	1	2	Swed.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Silversandal [2]	1	2	Brit.	Kerr S.S. Line	New York, N.Y.	Hongkong, China	General	2,553
Point Bonita	1	2	Amer.	Swayne & Hoyt	Beaumont, Tex.	Powell Riv., B.C.	General	2,583
Potter [2]	1	2	Amer.	Roosevelt S.S. Co.	Baltimore, Md.	Hongkong, China	Gen., dye	3,199
Mercury Sun [1] [2]	2	2	Amer.	Shell Oil Co.	Perth A'boy, N.J.	Los Angeles, Cal.	Ballast	.....
Hanover	2	2	Amer.	Lykes Bros. Ripley Co	New Orleans, La.	Shanghai, China.	([16])	7,391
Salvador	25	2	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	600
San Felipe	2	2	Amer.	Swayne & Hoyt	Houston, Tex.	Tacoma, Wash.	General	4,290
Santa Isabel	2	3	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	2,096
Standard [1]	22	...	Amer.	Standard Ship. Co.	Gatun, C.Z.	Balboa, C.Z.	Drydocking	.....
Santa Lucia	2	3	Amer.	Panama Mail S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	Coffee, gen.	3,212
Californian [2]	2	3	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,027
Steelmaker	3	3	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Honolulu, T.H.	([17])	3,437
Northern Sun [1] [2]	3	3	Amer.	Sun Oil Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Tampa [7]	3	3	Nor.	W. Wilhelmsen	Norfolk, Va.	Los Angeles, Cal.	Ballast	.....
California	3	3	Ital.	Nav. Libera-Triestina	Genoa, Italy	Vancouver, B.C.	General	474
Grainton	4	4	Brit.	R. Chapman & Sons	Philadelphia, Pa.	Vancouver, B.C.	Ballast	.....
Pacific President [2]	4	4	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B.C.	General	275
Austvard [2]	4	4	Nor.	Laurits Kloster	New York, N.Y.	Yokohama, Japan	Scrap iron	6,500
Baarn	3	5	Neth.	Royal Neth. S.S. Co.	Amsterdam, Neth	Corral, Chile	General	1,142
El Sona [3]	3	...	Pan.	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Cali	2	5	Ger.	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	260
F. H. Bedford, Jr. [1] [2]	5	5	Danz.	Stand. Fr. Americaine	Havre, France	Talara, Peru	Ballast	.....
Forthbank	5	5	Brit.	Andrew Weir & Co.	Tampico, Mexico	Adelaide, Aus'lia	Asphalt	5,906
Twiggs, No. 127 [9]	5	8	Amer.	U.S. Navy	U.S. port	W. coast U.S.A.	Ballast	.....
San Bernardino	5	6	Amer.	Quaker Line	Norfolk, Va.	Seattle, Wash.	Gen., lub. oil	3,304
City of Manila	6	6	Brit.	Norton, Lilly & Co.	Baltimore, Md.	Dairen, China	General	3,576
Nebraskan	6	6	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	1,656
Aliki	6	6	Greek.	N. G. Livanos	Norfolk, Va.	Chicama, Peru	Ballast	.....
Trocarrell	6	6	Brit.	Hain S.S. Line	Norfolk, Va.	Taltal, Chile	Ballast	.....
Susan Maersk	6	6	Dan.	A. P. Moller	Pto.Barrios, Guat.	Topolob'po, Mex.	Ballast	.....
Abana	6	6	Ger.	North German Lloyd.	Cartagena, Col.	Guaymas, Mex.	Ballast	.....
Adrastus	6	6	Brit.	Alfred Holt & Co.	Philadelphia, Pa.	Yokohama, Japan	General	3,273
Baru [2]	5	...	Pan.	Hans Elliot	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Berganger [3]	6	6	Nor.	Interocean Line	Rotterdam, Neth.	Vancouver, B.C.	Ballast	.....
Sambu [3]	5	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
J-10 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Wyoming	6	7	Fr.	French Line	Havre, France	Vancouver, B.C.	Coke, steel	1,969
Norway Maru	6	7	Jap.	Kawasaki K. Kaisha	Galveston, Tex.	Shanghai, China	([18])	4,228
Justin	7	7	Ger.	North German Lloyd.	Bremen, Ger.	Vancouver, B.C.	General	.....
Atago Maru [2]	7	7	Jap.	Nippon Yusen Kaisha	Philadelphia, Pa.	Kobe, Japan	Gen., lub. oil	8,799
Tai Yin [2]	7	7	Nor.	Barber Line	New York, N.Y.	Yokohama, Japan	([19])	4,241
Antietam [1]	7	7	Amer.	Shell Petroleum Corp.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Susan V. Luckenbach.	7	7	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	1,747
W. S. Miller [1]	7	7	Amer.	Shell Oil Co.	Sewaren, N.J.	Los Angeles, Cal.	Ballast	.....
West Nilus	7	7	Amer.	McCormick S.S. Co.	Buenos Aires, Arg.	Vancouver, B.C.	Coffee, gen.	2,628
Athelduchess [1] [2]	7	8	Brit.	Gen. Petroleum Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Mary Ann [13]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Seattle [2]	7	8	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	1,799
Montgomery City	7	8	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Honolulu, T.H.	Ballast	.....
President Adams	8	8	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	2,606
Zealandic [2]	8	9	Brit.	Shaw, Savill & Albion	London, Eng.	New Zealand	General	4,075
Herman Frasch	8	8	Amer.	Texas Gulf Sulphur	Galveston, Tex.	Tacoma, Wash.	Sulphur	6,402
J. H. Senior [1] [2]	8	8	Danz.	W. Tankschiff Rhed'i.	New York, N.Y.	Talara, Peru	Ballast	.....
Nordvard [2]	8	8	Nor.	West Indian Trad. Co.	Covenas, Col.	B'ventura, Col.	Cement, bulls	1,808
Spencer Kellogg. [1] [2]	8	8	Amer.	Kellogg S.S. Co.	New York, N.Y.	Manila, P.I.	Ballast	.....
John Worthington. [2]	7	8	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Santa Cecilia	8	9	Amer.	Panama Mail S.S. Co.	New York, N.Y.	S. Francisco, Cal.	General	1,208
Santa Maria [2]	8	9	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	1,882

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [9] Destroyer. [13] Crane. [14] Paper, pulp, general. [15] Scrap iron, rosin, aluminum. [16] Cotton, scrap steel. [17] Steel, wire, general. [18] Cotton, carbon black. [19] Scrap iron, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Trevarrack	8	9	Brit.	Hain S.S. Co.	Norfolk, Va.	Tocopilla, Chile	Ballast	
John Bakke [2]	8	9	Nor.	Cascade Line	Rotterdam, Neth.	Vancouver, B.C.	Iron	27
San Gil	9	9	Pan.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	
Asia [2]	8	9	Dan.	East Asiatic Co.	Nuevitas, Cuba	Vancouver, B.C.	Ballast	
K. I. Luckenbach	9	9	Amer.	Luckenbach Line	Mobile, Ala.	Seattle, Wash.	General	5,710
Laganbank [2]	9	9	Brit.	Bank Line, Ltd.	Philadelphia, Pa.	Shanghai, China	General	2,417
Panaman	9	9	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	1,846
Sutherland	9	9	Amer.	Nelson Line	New York, N.Y.	Seattle, Wash.	General	2,906
Syra	7	11	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Champ'ico, Guat.	General	663
Empire Star	9	10	Brit.	Blue Star Line	Tyne, England	N. West'er, B.C.	Ballast	
Canadolite [1 2]	10	10	Brit.	Imperial Oil Co.	Montreal, Can.	Lobitos, Peru	Ballast	
Sacramento Valley	10	10	Brit.	Reardon Smith Line	Pt. Tampa, Fla.	Shanghai, China	([13])	7,685
Hardwicke Grange	10	10	Brit.	Furness, Withy & Co.	London, Eng.	Vancouver, B.C.	Ballast	
Pennmar	10	10	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,953
S-13 [7]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
S-15 [7]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
S-16 [7]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
S-17 [7]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
S-12 [7]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Mallard [10]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Roland	10	11	Ger.	North German Lloyd.	Hamburg, Ger.	Valparaiso, Chile.	General	2,373
Canadian Beaver	10	11	Brit.	G. Lakes Interc'l Line	Montreal, Can.	Vancouver, B.C.	General	2,800
Benjamin Franklin. [2]	10	11	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B.C.	General	3,394
Peter Hurll [1 2]	10	11	Danz.	W. Tankschiff Rhed'i.	Havre, France	Talara, Peru	Ballast	
Lycia [2]	10	11	Brit.	Canadian Transp. Co.	St. John, N.B.	N. West'er, B.C.	General	2,650
Ryoyo Maru [2]	11	11	Jap.	Kawasaki K. Kaisha	Norfolk, Va.	Kobe, Japan	Ballast	
Hindpool	11	11	Brit.	Sir R. Ropner & Co.	Barry, England	Vancouver, B.C.	Ballast	
Chilore	11	11	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Badjestan	11	12	Brit.	Common Brothers	Dunston, Eng.	Arica, Chile	Ballast	
Athelviscount [1 2]	11	12	Brit.	United Molasses Co.	Greenock, Eng.	Honolulu, T.H.	Ballast	
Rolling Stone [6]	11		Pan.	Robert Wilcox	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
No. 1 [5]			Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Lapwing [10]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Brion	9	12	Neth.	Royal Neth. S.S. Co.	Cristobal, C.Z.	Guayaquil, Ecuad	General	56
Canadian Leader	11	12	Brit.	Can. Nat. Steamships	Montreal, Can.	Sydney, Aus'lia.	Paper, gen.	2,358
City of Glasgow	11	12	Brit.	Ellerman Hall Lines	Hull, England	Brisbane, Aus'lia.	General	4,100
Walter Jennings [1]	10	12	Amer.	Standard Ship. Co.	Curacao, D.W.I.	Wilmington, Cal.	Ballast	
Glasgow Maru	11	12	Jap.	Kokusai K. Kaisha	Baltimore, Md.	Yawata, Japan	([14])	7,315
H. M. Storey [1]	12	12	Amer.	J. B. Berry Sons	Tiverton, R.I.	Los Angeles, Cal.	Ballast	
Sanyo Maru [2]	12	12	Jap.	Osaka Shosen Kaisha	Baltimore, Md.	Shanghai, China	General	8,382
Hawaiian	12	12	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	1,190
Aurora [2]	12	12	Swed.	Zenit S.S. Co.	Wilmington, Del.	Portland, Oreg.	Ballast	
Victolite [1 2]	12	12	Brit.	Imperial Oil Co.	Halifax, N.S.	Talara, Peru	Ballast	
Pasajero [3]	10	12	Hond.	Francisco Beltran	Pto. Castilla, Hon.	Corinto, Nic.	Ballast	
Sydhav [1 2]	12	12	Nor.	Anglo-Saxon Pet. Co.	Falmouth, Eng.	Los Angeles, Cal.	Ballast	
Canadian Victor	12	13	Brit.	Can. Nat. Steamships	Montreal, Can.	Brisbane, Aus'lia.	General	1,714
Cerigo	11	13	Ger.	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil, Ecuad	General	378
Istmo	8	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	130
Steel Traveler	13	14	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Singapore, St. Set	General	6,081
Slemmestad [2]	13	13	Nor.	Fern Line	Corpus Ch'ti, Tex.	Shanghai, China	Cotton, lead.	5,673
K. R. Kingsbury [1]	13	13	Amer.	Shell Oil Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast	
Gaelic Star	13	13	Brit.	Blue Star Line	Newcastle, Eng.	Los Angeles, Cal.	Ballast	
Makiki	13	13	Amer.	Isthmian S.S. Lines	New York, N.Y.	Seattle, Wash.	General	4,113
Pan Norway [1 2]	13	14	Nor.	Standard Ship. Co.	Nyborg, Den.	Talara, Peru	Ballast	
El Sona [3]	12		Pan.	A. Valdez	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Real [3]	12		Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Sambu [3]	12		Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Breckenridge [5]			Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Robert Luckenbach.	14	14	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	2,102
Monsunen [3]	11		Dan.	Axel Moeller	Copenhagen, Den.	South seas	Ballast	
Brimanger [2]	14	14	Nor.	Interocean S.S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Psgrs. only	
Jane Christenson	14	14	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	2,249
Lionel [3]	14	15	Nor.	Iwai & Co.	New York, N.Y.	Moji, Japan	Scrap iron	8,318
Norfolk Maru	14	14	Jap.	Kawasaki K. Kaisha	Houston, Tex.	Kobe, Japan	([15])	4,406
J-10 [5]			Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
President McKinley.	14	15	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	1,671
Virginia	15	15	Amer.	Panama-Pacific Line	New York, N.Y.	S. Francisco, Cal.	General	1,473
Mataroa	15	16	Brit.	Shaw, Savill & Albion	London, Eng.	Auckland, N.Z.	Gen., autos.	2,630
Langleemere	14	15	Brit.	Chilean Nitrate Co.	Montreal, Can.	Arica, Chile	Ballast	
Los Angeles [4]	15	15	Amer.	Union Oil Co.	Providence, R.I.	Los Angeles, Cal.	Ballast	
Goolistan	15	15	Brit.	Common Brothers	Barry, England	Vancouver, B.C.	Ballast	
Maranon [2]	12	15	Peru	Cia. Nav. Maranon	Iquitos, Peru	Callao, Peru	General	629
Pacific Commerce. [2]	15	15	Brit.	Canadian Transp. Co	Montreal, Can.	Vancouver, B.C.	General	6,161
Lochmonar [2]	15	15	Brit.	Royal Mail Lines	Rotterdam, Neth.	Vancouver, B.C.	General	1,186
Llanover	15	16	Brit.	Evan Thomas Radcliffe	Barry, England	Arica, Chile	Ballast	

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [6] Yacht. [7] Submarine. [10] Mine sweeper. [13] Phosphate, cotton. [14] Scrap steel, cotton, general. [15] Carbon black, cotton, etc.

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Remuera	15	16	Brit.	N.Z. Shipping Co.	Auckland, N.Z.	London, Eng.	Frozen, gen.	6,350
Samuel Bakke [2]	15	16	Nor.	Cascade Line	Vancouver, B.C.	Antwerp, Belg.	General	7,320
Nansenville [2]	15	16	Nor.	Fred Olsen Line	Victoria, B.C.	Oslo, Norway	General	7,925
Harry Luckenbach.	16	16	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,669
Pacific Shipper [2]	16	17	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Glasgow, Scot.	General	6,908
Doris	16	17	Greek	Hadzilias Co.	Corral, Chile	Leith, Scotland	Barley, oats	7,203
E. M. Clark [1]	16	17	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil	15,110
Nordhavet [2]	16	17	Dan.	Anglo-Can. Ship. Co.	Honolulu, T.H.	Manchester, Eng.	General	7,759
Northern Sun [1] [2]	17	17	Amer.	Sun Oil Co.	Los Angeles, Cal.	Baltimore, Md.	Gasoline	13,400
W. S. Miller [1]	17	17	Amer.	Shell Oil Co.	Los Angeles, Cal.	Sewaren, N.J.	Kerosene	10,150
Witell	17	17	Ger.	North German Lloyd.	Vancouver, B.C.	Hamburg, Ger.	General	7,080
Santa Cecilia	17	18	Amer.	Grace Line	S. Francisco, Cal.	Philadelphia, Pa.	General	2,514
Bencleuch	17	17	Brit.	Wm. Thomson & Co.	Victoria, B.C.	London, Eng.	([14])	7,634
Vancolite [1] [2]	17	18	Brit.	Imperial Oil Co.	Talara, Peru	Montreal, Canada	Crude oil	15,187
F. Q. Barstow [1]	17	18	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	15,595
Henderson	16	20	Amer.	U.S. Navy	Seattle, Wash.	Norfolk, Va.	Navy sup.	680
Galveston [2]	17	18	Amer.	Roosevelt S.S. Co.	Davao, P.I.	Philadelphia, Pa.	Sugar, gen.	7,006
Oakmar	17	18	Amer.	Calmar S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	1,300
Ionic Star	18	18	Brit.	Blue Star Line	N. West'er, B.C.	Newcastle, Eng.	General	3,651
Charles Christenson.	18	18	Amer.	Sudden & Christenson	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,587
Canadian Cruiser	18	19	Brit.	Can. Nat. Steamships	Sydney, Aus'lia.	Halifax, Canada	General	1,704
Atlantic [1] [2]	19	19	Nor.	Wilhelm Jebsen	Los Angeles, Cal.	Lands End, Eng [13]	Gasoline	9,000
American	19	19	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,052
El Sona [2]	19	21	Pan.	National Nav. Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	30
El Libertador [2]	19	21	Pan.	National Nav. Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	35
Oregon [2]	19	20	Fr.	French Line	Vancouver, B.C.	Antwerp, Belg.	General	8,243
W. S. Farish [1]	19	20	Amer.	Standard Ship. Co.	Long Beach, Cal.	New York, N.Y.	Fuel oil	19,848
Hakubasan Maru [2]	19	20	Jap.	Mitsui Bussan Kaisha	Moji, Japan	Savannah, Ga.	General	5,609
Quebec City	19	20	Brit.	Reardon Smith Line	Vancouver, B.C.	Cardiff, Wales	General	7,900
Manizales	20	21	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	Gen., cocoa	391
Vernon City	19	20	Brit.	Mitsubishi Shoji K.	Dairen, China	Hamburg, Ger.	Soy beans	8,300
San Anselmo	20	20	Amer.	States S.S. Co.	Portland, Oreg.	New York, N.Y.	Lumber, gen.	6,018
Mauna Ala	20	20	Amer.	Matson Nav. Co.	Honolulu, T.H.	Cape Hatteras [13]	Sugar	7,174
Titania [2]	20	20	Nor.	Wilh. Wilhelmsen	Vancouver, B.C.	Liverpool, Eng.	([15])	6,996
Alda	20	21	Ger.	North German Lloyd.	Corral, Chile	Bremen, Ger.	General	5,562
Ensley City	20	20	Amer.	Isthmian S.S. Lines	Honolulu, T.H.	Baltimore, Md.	([16])	5,313
Santa Paula	20	21	Amer.	Grace Line	Seattle, Wash.	New York, N.Y.	General	3,966
Tacoma	20	21	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	9,239
Victolite [1] [2]	21	21	Brit.	Imperial Oil Co.	Talara, Peru	Halifax, N.S.	Crude oil	15,828
Lena Luckenbach.	21	21	Amer.	Luckenbach Line	Portland, Oreg.	Mobile, Ala.	Sugar, gen.	6,238
Sambu [5]	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	22
Teniente Rodriquez. [9]	12	22	Peru	Peruvian Navy	Callao, Peru	Iquitos, Peru	Displacement	462
Real [2]	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	46
Heffron	21	21	Amer.	Pac. Coast Dir. Line	Portland, Oreg.	Baltimore, Md.	([17])	10,598
Charles H. Cramp	21	21	Amer.	Argonaut S.S. Line	Seattle, Wash.	New York, N.Y.	Lumber, gen.	7,797
Olympia Maru [2]	21	21	Jap.	Mitsubishi Trad. Co.	Dairen, China	Rotterdam, Neth.	Soy beans	8,008
Andrea F. Luckenbach.	21	21	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	5,509
Sveadrott [2]	21	22	Swed.	Comyn & Sons	Vancouver, B.C.	Antwerp, Belg.	General	7,033
H. M. Storey [1]	21	22	Amer.	James Berry Sons	Los Angeles, Cal.	Tiverton, R.I.	([18])	14,600
Cerro Azul [1]	21	22	Amer.	Union Oil Co.	Los Angeles, Cal.	Baltimore, Md.	Gasoline	12,561
Oakworth [2]	21	22	Brit.	Canadian Transp. Co.	Vancouver, B.C.	Antwerp, Belg.	Lumber, gen.	7,710
Drechtdijk [2]	21	22	Neth.	N. Pac. Coast Line	Victoria, B.C.	Rotterdam, Neth.	Grain, gen.	9,350
District of Columbia. [1]	22	22	Amer.	Standard Ship. Co.	El Segundo, Cal.	Boston, Mass.	Fuel oil	10,445
Vojvoda Putnik	22	22	J-Slav.	Baburizza & Co.	Ant'fagasta, Chile	Alexand'ia, Egypt	Nitrate	8,800
Virginian	22	22	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Gen., lumber	9,085
Standard [1]	22	...	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	17,603
William Green [1]	22	23	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Jacksonville, Fla.	Fuel oil	11,032
Phoenix [1]	22	23	Amer.	Contin'l Grain Corp.	Portland, Oreg.	Galveston, Tex.	Wheat	7,116
S-11 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
S-12 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
S-15 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
S-17 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
S-13 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Sambu [5]	23	24	Pan.	Elliot Ship. & Land Co.	Panama, R.P.	Cristobal, C.Z.	Empty drums	2
Santa Maria [2]	23	24	Amer.	Grace Line	San Antonio, Chile	New York, N.Y.	General	4,590
Retriever [5]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Chilore	24	24	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,652
Barneveld	24	27	Neth.	Royal Neth. S.S. Co.	Talcahuano, Chile	Hamburg, Ger.	General	8,376
Mallard [4]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Royal Crown	23	24	Brit.	Hall Bros. S.S. Co.	Tocopilla, Chile	Azores [13]	Nitrate	8,000
Modavia [2]	24	24	Brit.	Donaldson Bros.	Vancouver, B.C.	Glasgow, Scot.	Gen., fruit	5,644
Willzipo	24	24	Amer.	Williams S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Gen., lumber	8,800

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [7] Submarine. [9] Destroyer. [13] For orders. [14] Spelter, wheat, lumber. [15] Wheat, fruit, lumber. [16] Pineapples, sugar. [17] Lumber, copper, wheat. [18] Kerosene, furnace oil.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Dilworth [1]	24	24	Amer.	Shell E. P. Prod. Corp.	Los Angeles, Cal.	Sewaren, N.J.	Gasoline	9,211
Nuevo Panama [2]	24	26	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	([14])	221
Monkleigh	24	24	Brit.	Canadian Transp. Co.	Vancouver, B.C.	London, Eng.	Wheat, lum'r	8,964
Nordfarer [2]	24	25	Dan.	Anglo-Can. Ship. Co.	Vancouver, B.C.	Glasgow, Scot.	Lumber, gen.	7,424
Los Angeles [1]	24	25	Amer.	Union Oil Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil	9,300
Salvador	25		Brit.	Pacific Steam Nav.Co.	Champ'ico,Guat.	Cristobal, C.Z.	General	510
Gulfgem [1]	25	25	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New Orelans, La.	Fuel oil	11,643
Istok	25	26	J-Slav.	Baburizza & Co.	Tocopilla, Chile	Azores [13]	Nitrate	9,070
Hokkai Maru [2]	25	26	Jap.	Osaka Shosen Kaisha.	Shanghai, China.	Baltimore, Md.	General	2,708
Soloy [2]	25	25	Nor.	East Asiatic Co.	Dairen, China	North Europe	Soy beans	7,858
President McKinley.	26	26	Amer.	Dollar Line	Manila, P.I.	New York, N.Y.	General	5,054
Tamaroa	26	26	Brit.	Shaw, Savill & Albion.	Auckland, N.Z.	London, Eng.	Frozen, gen.	6,008
J. A. Moffett, Jr. [1 2]	25	26	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	5,253
Edwin Christenson.	25	27	Amer.	McCormick S.S. Co.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	7,100
Hakonesan Maru [2]	25	26	Jap.	Mitsui Bussan Kaisha	Yokohama, Japan	New Orleans, La.	General, silk.	6,115
Soyo Maru [2]	26	27	Jap.	Kawasaki K. Kaisha.	Moji, Japan	Tampa, Fla.	General	5,503
Tai Yang [2]	26	27	Nor.	Barber Wilhelmsen.	Manila, P.I.	Boston, Mass.	General	6,403
Durazzo	26	28	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,042
Frieda	26	27	Amer.	Union Sulphur Co.	Everett, Wash.	Po'keepsie, N.Y.	Lumber	3,983
Timber Rush	24	26	Amer.	Shepard S.S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,455
New Jersey [1]	26	28	Amer.	The Texas Co.	Los Angeles, Cal.	New York, N.Y.	Gasoline	9,400
D. G. Schofield [1]	26	27	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil	9,239
Albion Star	26	27	Brit.	Blue Star Line	N. West'er, B.C.	Newcastle, Eng.	Frozen, gen.	4,958
San Marcos	27	27	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,370
Montanan	27	27	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,314
Barfonn [1 2]	27	27	Nor.	Standard Ship. Co.	Talara, Peru	S'ampton, Eng.	Crude oil	13,070
Istmo	27	28	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	425
San Gil	27	28	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	80
Point Ancha	26	28	Amer.	Gulf-Pac. Mail Line.	Vancouver, B.C.	Mobile, Ala.	General	4,122
Virginia	27	28	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	5,238
Everleigh	27	28	Brit.	Dale & Co.	Alberni, B.C.	London, Eng.	Grain, lum'r.	9,132
Lillian Luckenbach.	27	28	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	3,371
Orduna	28	29	Brit.	Pacific Steam Nav. Co	Talcahuano, Chile	Liverpool, Eng.	General	8,542
Invercorrie [1]	27	28	Venez.	Standard Ship. Co.	B'ventura, Col.	Maracaibo, Venez	Ballast	.....
Heranger [2]	28	28	Nor.	Interocean S.S. Corp.	Vancouver, B.C.	Rotterdam, Neth.	Grain, gen.	7,024
Innerton	28	28	Brit.	R. Chapman & Son.	Vancouver, B.C.	Avonmouth, Eng.	Grain, gen.	7,489
Real [2]	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	39
Tuira [2]	28	29	Pan.	A. A. Valdes	Bayano Riv., R.P.	Cristobal, C.Z.	Bananas	45
Sambu [5]	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	22
Santa Rita [2]	28	29	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	3,349
Pacific Pioneer [2]	28	29	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Manchester, Eng.	General	8,390
Southern Sun [1 2]	29	29	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,744
Point Salinas	29	29	Amer.	Swayne & Hoyt	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	6,590
Minnesotan	29	29	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	5,868
Archangelos	29	29	Greek.	Gildemeister & Co.	Pt. Chicama, Peru	Liverpool, Eng.	Sugar	8,085
Valparaiso	30	1	Chile.	Cia Salitreras de Chile	Tocopilla, Chile.	Azores [13]	Nitrate soda.	6,510
W. S. Rheem [1]	30	30	Amer.	Stand. Ship. Co., N.Y.	El Segundo, Cal.	Baltimore, Md.	Fuel oil	14,900
Tulsagas [1]	1	1	Amer.	Shell Oil Co.	S. Francisco, Cal.	New York, N.Y.	([15])	8,938
Feltre [2]	30	1	Ital.	Nav. Libera-Triestina	Vancouver, B.C.	Trieste, Italy	General	8,762
India [2]	30	1	Dan.	East Asiatic Co.	Vancouver, B.C.	Copenhagen, Den	General	12,307
West Cactus	1	1	Amer.	McCormick S.S. Co.	Victoria, B.C.	Buenos Aires, Arg.	([16])	6,499
S-16 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Lobos [2]	1	1	Brit.	Pacific Steam Nav. Co	Corral, Chile	Hull, England	General	8,402
El Aleto [1 2]	1	1	Brit.	Anglo-Ecuad. Oil Co.	La Libertad, Ecu.	Philadelphia, Pa.	Crude oil	10,201
Santa Ana	1	2	Amer.	Grace Line	S. Francisco, Cal.	Philadelphia, Pa.	General	2,466
Acacia	...	2	Amer.	U.S. Lighthouse Serv.	Balboa, C.Z.	San Juan, P.R.	Ballast	.....
Heinrich V. Riedemann. [1 2]	1	2	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Liverpool, Eng.	([17])	16,387
Langleetarn	1	2	Brit.	Anglo-Can. Ship. Co.	Vancouver, B.C.	London, Eng.	Wheat, lum'r	8,558
Gulfpenn [1]	2	2	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	13,848
Havel [2]	2	2	Ger.	North German Lloyd.	Vancouver, B.C.	Hamburg, Ger.	Lumber, gen.	9,415
Gulfcrest [1 2]	2	2	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	14,204
Oregon Express [2]	2	2	Nor.	Sigurd Herlofson Co.	N. West'er, B.C.	Hamburg, Ger.	Fresh fruits	2,031
Cali	2	5	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	707
Alamar	2	2	Amer.	Calmar S.S. Corp.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	3,053
Knute Nelson [2]	2	3	Nor.	Fred Olsen & Co.	Vancouver, B.C.	Oslo, Norway	General	7,978
El Sona [2]	3	4	Pan.	National Nav. Co.	Chepo, R.P.	Cristobal, C.Z.	Bananas	32
Victoria City	3	3	Brit.	East Asiatic Co.	Dairen, China	Cobh, Ireland [13]	Soy beans	8,270
President Herrenschmidt. [1 2]	3	3	Nor.	Pechelbronn, Strasb'g.	Talara, Peru	Antwerp, Belg.	Crude oil	13,080
Elisha Walker [1]	3	4	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Jacksonville, Fla.	Fuel oil	10,964
Horace Luckenbach.	4	4	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	4,587
Charles Nelson	4	4	Amer.	Nelson S.S. Co.	Pt. Angeles, Wash.	New York, N.Y.	Lumber, gen.	4,058
Alaskan	4	4	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	6,406

[1] Tanker. [2] Motor ship. [5] Launch. [7] Submarine. [13] For orders. [14] Coffee, lubricating oil. [15] Gasoline, lubricating oil. [16] Lumber, paper, flour, general. [17] Crude and Diesel oil.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Steel Worker	4	4	Amer.	Isthmian S.S. Lines	Seattle, Wash.	Baltimore, Md.	General	4,430
Ward [2]	4	4	Amer.	Roosevelt S.S. Co.	Iloilo, P.I.	New York, N.Y.	General	6,946
Santa Rosa	4	5	Amer.	Grace Line	Seattle, Wash.	New York, N.Y.	General	4,110
Hanley	4	4	Amer.	Neireme Oper. Co.	Seattle, Wash.	Norfolk, Va.	Lumber, gen.	9,567
Jacob Luckenbach.	4	5	Amer.	Luckenbach Line	Seattle, Wash.	Houston, Tex.	General	4,810
San Blas	5	5	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	900
Sambu [5]	4	6	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	23
Kitty Taylor	5	5	Brit.	Anglo-Chile Nitrates.	Tocopilla, Chile.	Azores [14]	Nitrate	8,470
Orazio [2]	5	6	Ital.	Italia Line	Valparaiso, Chile.	Genoa, Italy	General	2,939
Baru [2]	5	6	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	88
Sprecwald [2]	5	5	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger.	General	7,989
Meton [2]	5	5	Amer.	Shell Oil Co.	Los Angeles, Cal.	Sewaren, N.J.	Naphtha	9,325
Niel Maersk [2]	5	6	Dan.	Maersk Line	Manila, P.I.	Savannah, Ga.	General	7,320
Wilhelm A. Riedemann. [1] [2]	5	7	Ger.	W. Tankschiff Rhed'i.	Talara, Peru	Fawley, England.	Crude oil	15,037
James McGee [1]	5	6	Amer.	Mexican Pet. Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil	15,700
Silverbelle [2]	5	6	Brit.	Kerr S.S. Co.	Calcutta, India.	New Orleans, La.	([15])	7,170
Willametta [1] [3]	4	7	Amer.	Hydraulic Dredg. Co.	S. Francisco, Cal.	New York, N.Y.	Ballast	.....
Willamette Valley. [3]	5	6	Brit.	W. R. Smith & Sons.	Vancouver, B.C.	London, Eng.	General	7,800
Charles R. McCormick.	6	6	Amer.	McCormick S.S. Co.	Portland, Oreg.	Norfolk, Va.	Wheat	7,555
Comet [1]	6	6	Amer.	Stand. Vacuum Tr'sp.	S. Francisco, Cal.	New York, N.Y.	Gas oil	13,430
Buenos Aires [2]	6	7	Swed.	Johnson Line	Vancouver, B.C.	Stockholm, Swed.	General	8,516
Rangitiki [2]	5	6	Brit.	N.Z. Shipping Co.	Lyttleton, N.Z.	London, Eng.	Frozen, gen.	7,901
San Jose	6	7	Fr.	French Line	Vancouver, B.C.	Havre, France.	Lumber, gen.	6,826
Santa Barbara [2]	6	7	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	3,343
Tolken	6	6	Swed.	Transatlantic S.S. Co.	Pt. Pirie, Aus'lia.	London, Eng.	Copra, lead	7,719
Fordefjord [2]	6	7	Nor.	Chilean Nitrate Corp.	Tocopilla, Chile.	Savannah, Ga.	Nitrate	7,850
Bente Maersk [1] [2]	6	7	Dan.	Standard Oil Co.	Talara, Peru	Terdonek, Belg.	Crude oil	8,082
Harpoon	6	7	Amer.	Shepard S.S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,495
Koll [1] [2]	7	8	Nor.	Standard Ship. Co.	Talara, Peru	Le Havre, France	Crude oil	13,800
Charles G. Black [1]	8	8	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	20,991
Nebraska	7	8	Brit.	Royal Mail Lines	Vancouver, B.C.	Hamburg, Ger.	Grain, gen.	7,652
S. C. T. Dodd [1]	8	8	Amer.	J. B. Berry Sons Co.	Los Angeles, Cal.	Tiverton, R.I.	([16])	10,240
Canadian Conqueror.	8	9	Brit.	Can. Nat. Steamships	Sydney, Aus'lia.	Halifax, N.S.	Sugar, gen.	3,850
Heina [2]	8	8	Nor.	Franklin Baker Co.	Manila, P.I.	New York, N.Y.	([17])	5,984
Helen Whittier	8	8	Amer.	Arrow Line	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,050
Istmo	7	...	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	340
Manizales	8	...	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	240
Zenon	9	10	Fr.	French Line	Coronel, Chile.	Le Havre, France	General	7,437
Acajutla	9	...	Brit.	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z.	General	257
Brion	9	12	Neth.	Royal Neth. S.S. Co.	Guayaquil, Ecuad	Cristobal, C.Z.	General	102
Fife	9	9	Brit.	Colonial Sugar Ref. Co.	Suva, Fiji	English Chan. [14]	Sugar	7,040
Absaroka	9	9	Amer.	McCormick S.S. Co.	Seattle, Wash.	Philadelphia, Pa.	([18])	7,875
Vermar	9	9	Amer.	Calmar S.S. Corp.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	3,459
Ville de Verdun	9	10	Fr.	Messageries Marit'es.	Noumea, N.Caled	Marseilles, Fr.	General	4,718
John D. Archbold [1]	9	10	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	21,517
President Lincoln.	10	10	Amer.	Dollar Line	S. Francisco, Cal.	New York, N.Y.	General	4,596
Avala	9	10	J-Slav.	Baburizza & Co.	Vancouver, B.C.	Hull, England	Wheat	9,810
San Vincente	10	10	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,750
Hadleigh	10	10	Brit.	Anglo-Canadian Co.	Victoria, B.C.	London, Eng.	([19])	9,250
Nordpol [2]	10	11	Dan.	Anglo-Chile Nit. Corp.	Iquique, Chile.	Wilmington, N.C.	Nitrate	8,050
Mexican	10	11	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	10,440
Willkeno	11	11	Amer.	Williams S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	5,965
Edward Luckenbach.	11	11	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Sugar, gen.	4,807
Belfast Maru	11	11	Jap.	Kawasaki K. Kaisha.	Kobe, Japan	Baltimore, Md.	General	1,195
Cerigo	11	13	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	General	337
Kwanto Maru [2]	10	12	Jap.	Osaka Shosen Kaisha.	Manila, P.I.	New York, N.Y.	Gen., sugar.	5,525
Gregalia	11	11	Brit.	Donaldson Bros.	Vancouver, B.C.	Glasgow, Scot.	General	7,555
Pacific Reliance [2]	11	11	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Glasgow, Scot.	General	8,899
Tacoma Star	11	12	Brit.	Blue Star Line	N. West'er, B.C.	Newcastle, Eng.	Frozen, gen.	6,213
Pennsylvania	11	12	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	3,910
Santa Olivia	12	12	Amer.	Grace Line	Arica, Chile	New York, N.Y.	General	3,253
Real [2]	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	45
Sambu [5]	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	26
Salley Maersk [2]	11	12	Dan.	A. P. Moller	Ant'fagasta, Chile	Lake Charles, La.	Nitrate	4,766
San Gil	12	12	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	765
Alcides [1] [2]	11	12	Nor.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Lands End [14]	Gasoline	10,278
El Sona [2]	12	13	Pan.	A. A. Valdes	Bayano Riv., R.P.	Cristobal, C.Z.	Bananas	44
Herman F. Whiton.	12	12	Amer.	Dutton Lumber Corp.	Everett, Wash.	Camden, N.J.	Lumber	7,300
F. H. Bedford, Jr. [2] [3]	12	13	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Le Havre, France	Crude oil	16,836
Toba Maru	12	13	Jap.	Nippon Yusen Kaisha	Davoa, P.I.	New York, N.Y.	General	5,505

[1] Tanker. [2] Motor ship. [5] Launch. [13] Dredge. [14] For orders. [15] Palm oil, general. [16] Kerosene, furnace oil. [17] Copra, coco oil. [18] Wheat, lumber, general. [19] Wheat, lumber.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Point Brava	12	13	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	6,256
San Francisco [2]	13	13	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	7,303
Manatawny [2]	12	13	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Miami, Fla.	Fuel oil	7,632
Levant Arrow [1]	13	13	Amer.	Stand. Vacuum Tr'sp.	Los Angeles, Cal.	New York, N.Y	Gasoline	11,205
Bonnington Court	13	13	Brit.	Canadian Transp. Co.	Vancouver, B.C.	London, Eng.	([14])	8,620
S-10 [7]			Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
Erfurt [2]	14	14	Ger.	North German Lloyd.	Valparaiso, Chile.	Bremen, Ger.	General	5,202
Lapwing [4]			Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
Svealand [2]	14	14	Swed.	Ore S.S. Corp.	Cruz Gr'de, Chile	Sparrows Pt., Md	Iron ore	22,638
Trimountain [1]	14	14	Amer.	Home Oil Co.	Los Angeles, Cal.	New York, N.Y.	Furnace oil	9,835
Dakotan	14	14	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	7,097
Fernhill [2]	14	15	Nor.	Fern Line	Iloilo, P.I.	E.coast, U.S.A. [13]	Sugar	7,000
Glenpool [1]	13	16	Amer.	Standard Ship. Co.	Los Angeles, Cal.	San Juan, P.R.	Gasoline	5,277
West Ivis	15	15	Amer.	McCormick S.S. Co.	Seattle, Wash.	Buenos Aires, Arg.	Lumber, gen.	6,916
San Diego	15	15	Fr.	French Line	Astoria, Wash.	Havre, France	Wheat, gen.	6,098
Santa Elisa	14	16	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	General	2,211
J. H. Senior [1] [2]	15	16	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Vallo, Norway	Crude oil	16,582
Alynbank [2]	15	16	Brit.	Colonial Sugar Ref. Co.	Suva, Fiji	Lands End [13]	Sugar	7,975

[1] Tanker. [2] Motor ship. [4] Tug. [7] Submarine. [13] For orders. [14] Timber, grain, general.

Holiday Greetings

BALBOA HEIGHTS, C.Z., *December 15, 1933.*

The Governor on behalf of The Panama Canal and Panama Railroad Company extends greetings of the season to patrons and friends in the Canal Zone and the Republic of Panama, and to the personnel of the Canal and Railroad and wishes contentment, peace and happiness to all the members of our community.

The administration appreciates especially the spirit of loyalty and good will among the employees and their families.

J. L. SCHLEY,
Governor, The Panama Canal,
President, Panama Railroad.

New Drydock at Atlantic Terminal of Canal

The Panama Canal drydock at the Cristobal Shops was placed in use on December 13, 1933, after having been shut down for one year, during which it was entirely rebuilt to larger dimensions and provided with a modern pumping plant. The new dock was described in THE PANAMA CANAL RECORD of August 15, 1933. It can receive vessels 366 feet in length, or slightly longer, up to 64 feet beam and drawing nearly 21 feet of water. For larger vessels there is the drydock at Balboa of 1,000 feet available length.

Restrictions on Services to Ships

Under the above heading there was published in THE PANAMA CANAL RECORD of November 15, 1933, statement that sale of "tourist goods" by the Canal commissaries for resale on ships would be prohibited; that sale of articles required by ships, such as fuel, food supplies, etc., would be continued; and that sale by commissaries of other articles to ships would be made at prices to be determined after further study. It has since been decided that sales to ships will be restricted to articles required for ships' stores and equipment.

Supplement to Tariff No. 11—Coal; Provisions and Supplies

The Panama Canal issued on November 23, 1933, supplement No. 6 to Tariff No. 11, making changes as shown below.

Under Item 22, Coal, paragraph 5 has been changed to state that the prices for coal and rates for services in connection with its delivery are, effective December 1, 1933, as follows:

	Per ton of 2,240 lbs.	
	Cristobal-Colon	Balboa
(*a*) Coal delivered to vessel at coaling plant, trimmed in bunkers—		
Run-of-mine	$6.75	$9.75
Nut and slack	6.25	------

	Per ton of 2,240 lbs. Cristobal-Colon	Balboa
(*b*) Coal delivered to vessel by lighter from Cristobal coaling plant, trimmed in bunkers—		
Run-of-mine	$7.25	----
Nut and slack	6.75	----
A flat charge of $52.50 for lighterage on any quantity delivered will be made in addition to the basic price per ton.		
(*c*) For sacking lump coal for galley use or other grades of coal, in addition to the basic price per ton—		
Labor, etc.	3.00	$3.00
Sacks, when furnished by coaling plant	2.00	2.00
If delivery is made at points other than the coaling plant, an extra charge covering the cost of delivery will be made.		

Under item 25, Provisions and Supplies, a new paragraph has been added, effective November 20, 1933, as follows:

3. Delivery by launch—
   (*a*) A flat charge of $3 for launch service will be made for each delivery to vessels in the harbor at Balboa or Cristobal.
   (*b*) Full tariff rate for launch service will be charged for each delivery to vessels at the outer anchorage at Balboa.

Reduction in Charges for Commercial Radio Messages To and From Ships

The Commandant of the 15th Naval District has advised The Panama Canal that station charges on ship-shore commercial traffic through the radio stations at Gatun, Balboa, and Cape Mala have been reduced to 10 cents per word, making the total charges per word 20 cents to all vessels except those of Spanish and Swedish registry, and 18 cents per word to Spanish and Swedish vessels.

Notice to Mariners

In notice to mariners No. 244, dated December 11, 1933, it was stated that the Governor has been informed that certain merchant-ships equipped with radio direction finders, have, upon approaching Toro Point, taken reverse bearings on the Toro Point (NQB) transmitter as a check upon the accuracy of their own direction finders. Attention is invited to the fact that the transmitter for Toro Point is located at Darien and not on the breakwater at Colon. The location of the Toro Point Direction Finder Station as given on page 21 of the Radio Aids to Navigation 1930 (H. O. No. 205), is as follows:

CANAL ZONE

(See RC instructions for United States, p. 6)

66. COLON (Toro Point) (NQB)—375 kc. (800 m.) A1 or A2

	Receiver	*Transmitter*
Latitude	9° 22′ 31″ N.	9° 07′ 00″ N.
Longitude	79° 56′ 58″ W.	79° 46′ 00″ W.

Arc of calibration, 0°–60°, 270°–360°.

The Commandant of the Fifteenth Naval District has also informed the Governor that the radio direction finder stations at Toro Point (NQB) and Cape Mala (NGR) have recently been re-equipped and re-calibrated. Accurate bearings from these stations are dependent upon the proficiency of the personnel, which can only be maintained by constant practice. The Commandant would appreciate the cooperation of the masters of all merchant vessels in making requests for bearings a matter of routine when approaching Cape Mala or Toro Point.

Oil Tanker Carries Cargo of Wheat

The oil tanker *Phoenix*, owned by the American Tankers Corporation and under charter to the Continental Grain Company, transited the Canal on November 23, 1933, with 7,116 tons of wheat shipped from Portland, Oreg., to Galveston, Tex. Shipments of grain in tank ships through the Panama Canal have been very rare, the transit of the *Phoenix* constituting, it is believed, the first passage of a tanker with grain in at least ten years. In THE PANAMA CANAL RECORD of August 17, 1921, mention was made of the tanker *Swiftwind* which transited on August 10, 1921, with a load of 10,034 tons of grain from Portland, Oreg., to Spezia, Italy.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXVII. Balboa Heights, C.Z., January 15, 1934. No. 6.

Traffic Through the Panama Canal in December 1933

The total vessels of all kinds transiting the Canal during the month of December in the two preceding years and in 1933 are shown in this tabulation:

Class of vessels	December 1931	December 1932	December 1933		
			Atlantic to Pacific	Pacific to Atlantic	Total
Commercial ocean vessels	387	431	268	228	496
Launches (under 20 tons net)	11	3	6	4	10
Noncommercial vessels:					
United States Government	22	45	21	14	35
Colombian Government	.....	1	.....	.....	.....
Vessels for repairs	1	.....	1	.....	1
Total	421	480	296	246	542

COMMERCIAL TRAFFIC [1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected, from the commercial traffic transiting the Canal each month for the calendar year ended December 31, 1933, as compared with the calendar year 1932:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1932	1933	1932	1933	1932	1933	1932	1933
January	377	415	2,022,275	2,069,218	1,593,585	1,463,503	$1,770,250.68	$1,762,808.56
February	358	368	1,878,177	1,832,658	1,645,393	1,434,862	1,647,797.06	1,575,708.35
March	363	399	1,864,896	1,989,044	1,643,952	1,738,227	1,645,366.81	1,718,908.41
April	370	370	1,863,692	1,839,597	1,443,731	1,527,978	1,608,634.67	1,554,250.14
May	357	372	1,956,958	1,883,249	1,676,790	1,629,982	1,717,401.26	1,617,943.65
June	336	364	1,743,150	1,901,117	1,404,558	1,691,247	1,534,793.19	1,629,411.28
July	326	401	1,676,492	2,051,128	1,259,981	1,699,039	1,468,728.36	1,732,164.93
August	314	416	1,658,112	2,159,995	1,349,453	1,914,014	1,440,848.87	1,829,754.49
September	353	408	1,868,391	2,096,538	1,347,144	1,797,497	1,598,265.98	1,758,587.41
October	394	467	1,988,133	2,416,200	1,582,261	2,125,927	1,714,779.06	2,036,909.16
November	388	463	2,035,796	2,395,359	1,531,509	1,949,913	1,756,865.84	2,001,692.77
December	431	496	2,080,069	2,617,656	1,621,581	2,191,683	1,781,940.03	2,204,134.64
Total	4,367	4,939	22,636,141	25,251,759	18,099,938	21,163,872	19,685,671.81	21,422,273.79

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States, Panamanian, and Colombian Governments, including merchant vessels chartered by these Governments, and vessels transiting solely for repairs, do not pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Traffic by Nationality of Vessels for December 1933

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	122	668,694	472,081	Japanese	22	117,331	109,325
Danish	15	65,278	71,743	Netherland	10	51,585	30,846
Danzig	9	70,590	82,774	Norwegian	43	222,210	211,166
Finnish	1	4,471	.....	Panamanian	32	33,811	18,670
French	8	46,322	40,316	Peruvian	1	336	629
German	28	103,187	108,186	Swedish	11	53,442	74,207
Greek	2	7,866	7,400	United States	183	1,117,312	921,753
Honduran	1	48	.....	Yugoslav	3	14,630	27,230
Italian	5	40,543	15,357	.....	.....	.....	.....

Traffic by Trade Routes, December 1933

The movement of vessels over trade routes is summarized in the following table. They are classified according to primary origin and ultimate destination of the voyage through the Canal and the cargo listed is the total aboard at time of transit. Cargo may be laden or discharged between the terminal areas indicated, hence in the cargo listed below there may be some which had other origin or destination:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	68	428,247	127,794	73	445,534	598,802
East coast United States and:						
Canada	4	18,105	.....	2	8,898	11,054
Central America	5	10,883	.....	4	8,582	3,875
South America	16	73,263	8,513	12	55,740	119,959
Hawaiian Islands	3	16,145	8,183	1	5,497	4,430
Australasia	5	27,013	24,001	.....	.....	.....
Philippine Islands	5	37,626	20,238	12	68,396	79,570
Far East	31	167,728	169,657	5	29,317	24,088
Europe and:						
United States	7	39,648	.....	6	32,381	52,349
Canada	41	242,418	36,329	38	209,766	300,457
Central America	1	2,292	668	.....	.....	.....
South America	17	94,328	18,744	31	179,625	305,553
Hawaiian Islands	1	6,345	.....	.....	.....	.....
Australasia	10	85,903	30,843	9	69,551	66,195
Far East	.....	.....	.....	3	13,529	21,691
Canadian intercoastal	3	9,160	11,611	.....	.....	.....
East coast Canada and:						
United States	1	4,084	4,020	.....	.....	.....
South America	3	18,757	.....	2	14,427	31,332
Australasia	4	15,689	10,418	3	14,061	5,731
Central American intercoastal	3	7,217	7,241	.....	.....	.....
South American intercoastal	2	1,077	984	.....	.....	.....
East coast South America and:						
United States	1	5,049	2,482	1	4,967	6,916
Canada	2	9,208	5,529	2	10,030	9,696
Central America	1	1,967	.....	.....	.....	.....
Far East	1	5,821	3,759	.....	.....	.....
Cristobal and:						
Central America	4	2,286	1,557	2	1,445	502
South America	6	4,452	1,533	9	6,922	4,534
Balboa	7	253	.....	8	359	395
West Indies:						
United States	2	13,892	.....	3	15,120	26,421
Canada	1	5,588	.....	.....	.....	.....
Central America	1	5,602	5,188	.....	.....	.....
South America	1	5,049	6,256	.....	.....	.....
Around the world	2	18,429	5,415	1	6,037	7,170
Foreign vessels in ballast (United States intercoastal)	6	32,344	.....	.....	.....	.....
Vessels not engaged in commerce	[1] 3	113	.....	[2] 1	1,491	.....
Total	268	1,415,981	510,963	228	1,201,675	1,680,720

[1] Yachts. [2] Dredge.

Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in December 1933 and its destination by major geographical and trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	137,575	13,306	180,504	5,937	29,847	367,169
Other North America	6,024	25,421	45	11,777	4,572	47,839
Europe	26,451	10,452	.....	16,821	30,843	84,567
Miscellaneous	8,601	188	1,554	1,045	.....	11,388
Total	178,651	49,367	182,103	35,580	65,262	510,963

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	597,506	37,361	153,560	6,700	795,127
Canada	3,523	3,879	195,992	7,377	210,771
Other North America	14,554	2,135	1,938	1	18,628
South America	117,336	39,665	304,352	25	461,378
Australasia	2,149	3,604	66,173	.....	71,926
Asia	98,777	2,327	21,691	95	122,890
Total	833,845	88,971	743,706	14,198	1,680,720

Principal Commodities

Commodities which aggregated 10,000 or more tons either during the past month or in the corresponding month in 1932 are listed below:

Commodity	December		Commodity	December	
	1932	1933		1932	1933
Atlantic to Pacific	*Long tons*	*Long tons*	*Pacific to Atlantic*—Continued	*Long tons*	*Long tons*
Cotton, raw	81,087	55,301	Copra	6,013	19,656
Iron and steel, manufactures of	46,328	69,961	Flour	13,215	19,954
Machinery	4,241	10,652	Fruit, dried	23,114	28,861
Oils, mineral	21,494	46,882	Fruit, fresh	28,056	31,662
Scrap metal	6,010	46,149	Lumber	135,674	162,907
Paper	18,644	19,209	Metals	32,990	47,925
Phosphates	7,904	14,110	Nitrates	1,169	106,006
Sulphur	15,158	18,117	Oats	7,720	12,389
Tinplate	12,047	29,951	Oils, mineral	323,535	600,780
			Oils, vegetable	11,222	12,192
Pacific to Atlantic			Ores (principally iron)	10,255	83,513
Ammonium compounds	5,035	11,125	Paper	6,239	11,980
Barley	17,046	25,296	Soy beans	.....	21,691
Beans	6,518	12,108	Sugar	94,179	111,163
Canned goods, various	45,106	65,274	Wheat	337,021	129,748
Coffee	13,641	6,998	Wood pulp	12,431	12,932
Cold storage (food products) [1]	10,336	32,282	.....	.....	.....

[1] Does not include fresh fruit.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of December 1933, as reported in the cargo declarations, showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations small items are frequently grouped under the designation of "general cargo"; the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts	.....	.....	12	.....
Agricultural implements	1,003	15	3,076	29
Alfalfa meal	.....	153	.....	543
Ammonium compounds	87	10	3,983	11,125
Animal foods [1]	57	483	57	502
Apparel, wearing (hats, shoes, clothing, etc.)	113	11	113	69
Asbestos	342	.....	575	.....
Asphalt and tar	105	92	8,800	654
Automobiles (and autotrucks)	1,483	20	5,215	23
Automobile parts and accessories	838	182	5,203	194
Bags and bagging, textile	101	56	476	755
Barks, miscellaneous	.....	98	4	254
Barley	.....	56	.....	25,296
Beans, edible, dry	65	5,700	75	12,108
Beer	397	.....	473	1
Beverages, nonalcoholic	66	163	126	163
Blood and tankage	.....	.....	.....	192
Bones and bone meal	.....	.....	2,673	.....
Books and printed matter	93	.....	119	.....

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. Intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Borax	.....	674	32	7,434
Bran and pollards	.....	.....	10	5,003
Bricks and tile	120	24	148	24
Camphor, crude	.....	12	.....	207
Canned and preserved goods:				
Fish	600	7,838	1,084	10,847
Fruit	432	18,657	640	39,008
Meat	214	1,119	386	1,239
Milk	179	456	535	654
Soup	1,275	12	1,350	12
Vegetables	1,225	3,470	1,478	3,511
Miscellaneous and unclassified	2,773	9,343	3,491	10,003
Carbon black	179	.....	934	.....
Celite	.....	115	.....	117
Cement	294	.....	6,513	.....
Chalk	.....	.....	500	.....
Charcoal	53	.....	144	.....
Chemicals [1]	3,009	572	7,648	1,729
Clay, china and fire	620	.....	1,178	.....
Clay, filtering	26	365	26	365
Clorox	.....	1,241	.....	1,241
Coal	715	.....	1,638	.....
Cocoa and cacao beans	308	.....	718	1,441
Coconuts and products [1]	90	741	154	1,275
Coffee	178	18	5,043	6,998
Coke	.....	.....	3,598	.....
Cold storage and refrigerated products:				
Bananas	.....	.....	28	4,270
Dairy products	62	.....	428	21,071
Eggs	.....	50	.....	197
Fish	8	147	83	827
Lard	189	.....	291	.....
Meats	.....	.....	443	9,616
Vegetables	24	132	24	159
Other and unclassified	75	.....	286	412
Confectionery	915	3	959	3
Copra	.....	.....	.....	19,656
Copra meal and cake	44	.....	44	3,029
Corn	2,344	.....	2,382	1,392
Cotton, raw	593	757	55,301	4,724
Creosote	.....	.....	38	.....
Drugs and medicines	678	41	1,048	41
Dyes	36	.....	494	.....
Earthenware	17	66	111	66
Electrical apparatus and appliances	214	68	607	72
Explosives	6	5	379	5
Extract, quebracho	.....	.....	663	.....
Fertilizers [1]	.....	24	1,319	252
Fish, salted or dry cured	.....	.....	.....	22
Fish meal	16	.....	16	4,310
Floor coverings	330	507	347	668
Flour	295	15,206	979	19,954
Fruit, dried	320	11,994	486	28,861
Fruit, fresh [1]	.....	2,225	17	27,392
Furniture and household goods	534	416	534	428
Gallnuts	.....	60	.....	90
General	9,213	7,377	30,950	17,475
Glass and glassware	3,056	233	5,355	558
Glue	.....	240	331	240
Groceries	697	61	1,058	61
Guano	.....	.....	.....	4,650
Gums	.....	99	.....	362
Hair, all kinds	.....	99	27	120
Hay	.....	968	.....	1,494
Hemp, unmanufactured	.....	824	5	2,685
Honey	.....	192	20	377
Hops	.....	25	.....	345
Horns and hoofs	42	.....	73	62
Infusorial earth	.....	436	.....	739
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	41,099	562	69,961	607
Ivory nuts	.....	.....	45	3,358
Jute, unmanufactured	.....	.....	24	101
Lard substitute	317	.....	1,487	.....
Lime	.....	.....	83	.....
Liquors	320	36	1,243	41
Lumber (including manufactured mill products)	1,008	78,974	2,026	162,907
Machinery (other than electrical)	4,166	531	10,652	725
Malt	.....	.....	502	.....
Manufactured goods [1]	3,432	310	6,092	840

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Marble and granite	.....	.....	34	.....
Matches	143	69	162	148
Metals:				
Antimony	.....	52	.....	437
Copper	.....	5,457	152	29,278
Gold and silver	.....	3	41	106
Iron	111	.....	1,268	3
Lead	12	634	1,867	10,835
Tin	49	104	93	591
Zinc	117	560	324	5,915
Other and unclassified	14	45	241	216
Milk, powdered	28	1,003	91	1,329
Mollasses and syrups	158	32	200	32
Nitrates	2,950	.....	6,533	106,006
Nuts, edible (including meats)	23	572	95	835
Oats	50	1,450	100	12,389
Oils, mineral:				
Crude	.....	12,003	.....	174,736
Gas and fuel	.....	236,558	18,405	285,455
Gasoline, benzine, and naphtha	59	70,441	623	106,271
Kerosene	4,515	32,311	4,663	32,445
Lubricating and greases	8,188	1,672	23,191	1,726
Other and unclassified	.....	22	.....	147
Oils, vegetable:				
Coconut	.....	956	.....	6,633
Cottonseed	.....	.....	10	8
Linseed	429	.....	893	120
Olive	.....	9	182	9
Rapeseed	.....	.....	.....	556
Wood	.....	.....	.....	1,228
Other and unclassified	139	30	464	3,638
Oil, fish	.....	625	111	625
Oil, whale	.....	1,035	17	1,138
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	42	522	253	842
Oilseed cake and meal	.....	.....	200	3,364
Ores:				
Antimony	.....	100	.....	100
Chrome	101	.....	101	.....
Copper	.....	.....	.....	1,535
Gold and silver	.....	.....	.....	1,141
Iron	197	.....	297	66,238
Lead	.....	.....	.....	2,400
Magnesite	.....	1,807	.....	3,562
Manganese	.....	.....	.....	252
Tin	24	.....	25	3,266
Zinc	.....	.....	.....	3,889
Other and unclassified	.....	.....	1,390	1,130
Paints and varnishes	443	80	1,184	100
Paper and paper products [1]	5,572	7,118	19,209	11,980
Paper scrap	.....	480	695	480
Peanuts	260	81	260	81
Peas, dry	.....	175	4	214
Peatmoss	.....	.....	583	.....
Phosphates	96	.....	14,110	3
Plaster	21	.....	63	.....
Porcelainware	176	350	546	2,116
Potash	.....	2,948	1,263	2,948
Pyrethrum flowers	.....	53	.....	133
Rags and waste	77	315	380	631
Railroad material	35	.....	1,337	.....
Rice	1,139	600	2,329	2,385
Rope and twine	137	18	176	65
Rosin	1,630	.....	4,409	.....
Rubber:				
Manufactured	770	30	1,459	169
Raw	.....	.....	.....	136
Scrap	.....	131	.....	211
Scrap metal	325	229	46,149	544
Salt	909	.....	7,708	.....
Sand	.....	.....	1,180	70
Seeds (except oilseeds)	19	443	711	2,330
Shells, oyster	576	.....	576	.....
Silk, raw	107	732	112	1,536
Skins and hides	2	2,402	105	4,645
Soaps and products	1,651	227	1,755	344
Soda and sodium compounds	1,210	.....	1,861	75
Soy beans	232	.....	232	21,691
Sugar	47	11,657	62	111,163
Sulphur	8,954	.....	18,117	107
Talc	.....	80	.....	125

[1] Except as otherwise classified.

Commodity	United States Intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Tallow	.....	.....	.....	877
Tea	.....	25	71	1,083
Textiles [2]	4,740	17	8,966	1,559
Tinplate	2,322	26	29,951	26
Tobacco and manufactures	526	19	8,072	111
Toilet preparations	348	.....	379	37
Turpentine	91	.....	268	5
Vegetables, dry [1]	.....	262	53	1,025
Wall board	285	18	285	18
Wax, paraffin	307	10	1,327	68
Wheat	.....	14,761	862	129,748
Wines	30	870	456	1,303
Wood pulp	69	8,427	5,712	12,932
Wool	30	2,486	491	8,782
Total, December 1933	137,575	597,506	510,963	1,680,720
Total, December 1932	116,229	373,858	391,087	1,230,494
Total, December 1931	154,390	422,249	501,408	1,147,496

[1] Except as otherwise classified. [2] Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during December 1933, classified according to trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	23	140,613	1,704	29	177,232	352,602
East coast United States and South America	1	7,822	.....	1	5,049	10,201
United States and Far East	1	5,024	7,837	.....	.....	.....
East coast Canada and South America	2	14,427	.....	2	14,427	31,332
Central American intercoastal	1	5,342	7,241	.....	.....	.....
West Indies and United States	2	13,892	.....	3	15,120	26,421
West Indies and South America	1	5,049	6,256	.....	.....	.....
West Indies and Central America	1	5,602	5,188	.....	.....	.....
Europe and United States	3	21,152	.....	3	17,617	32,608
Europe and South America	4	30,368	.....	10	71,518	146,025
Europe and Hawaii	1	6,345	.....	.....	.....	.....
Total	40	255,636	28,226	48	300,963	599,189

Comparison of Canal Traffic in December 1933 with December Traffic in Previous Years

Calendar year	Month of December			Fiscal year	Average per month for fiscal year		
	Commercial transits	Panama Canal net tonnage	Tons of cargo		Commercial transits	Panama Canal net tonnage	Tons of cargo
1914	[1] 98	341,993	452,779	1915	[2] 102	361,197	465,567
1915	7	8,594	12,218	1916	63	199,687	257,843
1916	151	467,923	539,847	1917	150	483,213	588,213
1917	152	482,816	563,192	1918	172	547,839	627,669
1918	168	533,992	629,961	1919	169	510,416	576,385
1919	260	927,726	924,479	1920	206	712,170	781,208
1920	265	1,027,918	1,076,539	1921	241	951,323	966,601
1921	239	1,017,244	953,053	1922	228	951,455	907,075
1922	304	1,375,263	1,535,102	1923	331	1,550,482	1,630,656
1923	506	2,516,491	2,494,634	1924	436	2,179,073	2,249,559
1924	407	1,989,196	2,265,687	1925	389	1,904,596	1,996,570
1925	462	2,257,409	2,358,170	1926	433	2,064,549	2,169,787
1926	458	2,135,002	2,310,270	1927	456	2,185,651	2,312,351
1927	589	2,616,728	2,573,828	1928	538	2,454,886	2,469,226
1928	579	2,698,140	2,714,987	1929	534	2,468,483	2,555,250
1929	522	2,548,771	2,524,934	1930	515	2,498,385	2,502,519
1930	495	2,473,626	2,166,884	1931	461	2,316,012	2,090,233
1931	387	2,033,158	1,648,904	1932	376	1,968,785	1,650,667
1932	431	2,080,069	1,621,581	1933	375	1,901,823	1,514,811
1933	496	2,617,656	2,191,683	(3)	412	2,104,313	1,763,656

[1] Canal opened August 15, 1914. [2] Average for 10½ months. [3] Average for calendar year 1933.

Terminal Activities

Ships repaired during the month of December 1933 numbered 70, including 15 which were drydocked. Fuel oil in the quantity of 372,568 barrels was delivered as bunkers to 132 commercial vessels. Bunker coal amounting to 3,583 tons was delivered to 16 vessels. Sales of commissary supplies to ships aggregated $37,680.41.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving.....tons..	84,725	21,162	105,887
Local cargo shipped.....tons..	4,534	355	4,889
Cargo received for transshipment.....tons..	25,852	1,155	27,007
Cargo transshipped.....tons..	25,603	865	26,468
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	19	11	30
Number of releases issued.....	162	141	303
Tons received.....	126	277	403
Tons withdrawn.....	205	643	848

All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
Ships entering						
All vessels, including those transiting Canal..	556	3,792,799	2,230,195	512	3,256,033	1,945,502
Vessels entering port but not transiting Canal.	80	661,314	362,078	14	61,307	31,456
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	119	825,575	476,891	98	696,416	391,480
Ships clearing						
All vessels, including those transiting Canal..	556	3,788,547	2,227,067	520	3,261,593	1,947,956
Vessels clearing port but not transiting Canal.	79	640,694	349,882	14	61,307	31,456
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	119	837,134	483,138	98	696,416	391,480

Cargo Discharged and Laden in Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, December 15, 1933, to midnight, January 15, 1934. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Zacapa, 0, 87; Acajutla, 0, 385½; Mantilla, 3,086, 0; Coronado, 2, 0; Colombia, 45, 473; Santa Paula, 272, 194; Santa Rita, 199, 1,007; Calamares, 318, 274¾; Poseidon, 554, 54; Costa Rica, 15, 174; Vardaas, 5,447, 0; Virgilio, 108, 15; Manizales, 19, 268; Magdalena, 171, 21; Schwaben, 91, 234; Abraham Lincoln, 0, 5; George H. Jones, 5,048, 0; Carmen Silvia, 20, 0; Durazzo, 343, 514; Veragua, 31, 579; Damsterdijk, 0, 196; Cristobal, 0, 235; Santa Elena, 278, 51; Amerika, 1½, 28; Alabama, 70, 2; Atlantida, 344, 359; Sesostris, 205, 398; Indra, 1, 0; Boskoop, 289, 0; Baru, 72, 43; Laurits Swenson, 172, 0; Santa Barbara, 220, 489; Velma Lykes, 271, 33; Washington, 0, 471; Santa Clara, 1,121, 0; Buenaventura, 1,208, 417; Quirigua, 427, 70; President Harrison, 1, 0; Santa Ana, 165, 433; Kurama Maru, 171, 0; Kinai Maru, 624, 60; Daytonian, 220, 0; Reina del Pacifico, 35, 11; West Mahwah, 3½, 0; Carrillo, 671, 502; Istmo, 549, 116; Boskoop, 2, 239; Lagarto, 21, 150; Haiti, 102, 462; Metapan, 275, 305; Salvador, 246, 463½; Cali, 1,222, 314; President Taft, 414, 0; Este, 81, 207; Bodegraven, 2, 247; Simon Bolivar, 32, 13; Rialto, 44, 0; Canadian Constructor, 0, 87; Annie Johnson, 0, 117; Quirigua, 130, 484; Anniston City, 654, 0; San Lucas, 92, 0; Contessa, 274, 409; Narenta, 76, 0; Vardaas, 11,622, 0; Santa Inez, 350, 10; Tai Shan, 470, 0; Magdalena, 0, 717; Portland, 48, 39; Wisconsin, 90, 68; Mantilla, 8,507, 0; Ancon, 877, 1,091; Hanau, 69, 0; Venice Maru, 190, 0; Peten, 324, 107; Witram, 0, 60; Felix Taussig, 91, 0; Turrialba, 915, 92; Santa Teresa, 403, 129; Endurance, 0, 12½; Ansgir, 78, 23; Simon Bolivar, 0, 315½; Santa Rosa, 150, 46; Ulua, 311, 570; Pastores, 59, 460; Cerigo, 1,165, 0; Caribia, 92, 26; Tsuyama Maru, 54, 0; Nubian, 140, 0; Peten, 21, 372¾; Santa Olivia, 232, 227; Arminda, 220, 0; Santa Lucia, 213, 47; Brion, 489, 8; Istmo, 456, 195; Canadian Cruiser, 59, 1; Nuevo Panama, 116, 62; Oakland, 36, 210; Atlantida, 240, 383; Canadian Challenger, 0, 288; Santa Maria, 1,107, 1 package; Lochkatrine, 2 packages, 202; Cellina, 0, 378; Agira, 13, 246; Santa Clara, 205, 879; San Anselmo, 171, 0; Santa Elisa, 58, 183; Veragua, 348, 75; President Hayes, 2, 0; Sixaola, 644, 272; Osiris, 29, 460; Manizales, 1,198, 0; Tai Yang, 2, 0; Guayaquil, 850, 480; Alkmaar, 97, 338; Persistence, ¾, 0; Los Angeles, 67, 281; Colombie, 7, 845; Calamares, 590, 111; Tillie Lykes, 102, 108; President McKinley, 305, 0; Odenwald, 385, 22; Acajutla, 196, 381½; Takaoka Maru, 369, 0; Tokai Maru, 595, 89; Veragua, 40, 498; Lochgoil, 132, 54; Santa Maria, 12,100, 0; Cerigo, 0, 409; Nansenville, 4, 0; Santa Isabel, 642, 0; Democracy, 386, 0; Contessa, 138, 295; Crijnssen, 110, 2 packages; Real, 36, 101; Sambu, 21, 101; Caribia, 7, 1,144; Cristobal, 1,230; 489; Juan Sebastian Elcano, 114, 258½; Granville, 0, 3; Europa, 1, 0; Oregon, 149, 40; Orbita, 87, 502; Quirigua, 202, 27; Arizona, 649, 15; Santa Marta, 493, 256½; Santa Cecilia, 468, 43; Canada,

0, 246; Crijnssen, 0, 289½; Deborah, 0, 45½; Colombie, 60, 0; Vancouver, 100, 152; Durazzo, 1,059, 0; Virgilio, 113, 786; Santa Elena, 111, 263; Toloa, 233, 142½. Istmo, 580, 128; Haiti, 90, 894; Axel Johnson, 100, 0; Santa Inez, 245, 565; Manizales, 0, 418; Chancellor, 129, 0; Quirigua, 57, 467; Hollywood, 73, 55; Santa Paula, 125, 0; San Francisco, 9, 0; Colombie, 0, 1,548; Wales Maru, 399, 0.

BALBOA

Acajutla, 0, 1; Antigua, 228, 8; Santa Paula, 35, 1; Santa Rita, 92, 2; Henderson, 0, 13; Santa Elena, 73, 7; Margaret Johnson, 262, 0; Indra, 0, 468; Amerikaland, 1,000 pounds, 0; Santa Clara, 0, 1,100 pounds; Chateau Thierry, 404, 154; Laurits Swensen, 656, 0; Istmo, 97, 0; Santa Barbara, 51, 55; Santa Ana, 61, 29; President Harrison, 8, 2; Point Arena, 4,423, 0; Cali, 1, 0; Talamanca, 295, 127; Santa Inez, 121, 350; California, 5, 0; Santa Monica, 367, 0; Condistable Calendar, 0, 130; Lagarto, 0, 100 pounds; Rakuyo Maru, 133, 0; Tai Shan, 206, 0; Point Lobos, 414, 0; Santa Teresa, 50, 0; Pennsylvania, 64, 0; Felix Taussig, 98, 30; West Ira, 30, 0; Chiriqui, 318, 10; Santa Rosa, 38, 36; Anna Maersk, 28, 0; Santa Lucia, 70, 0; Frank G. Drumm, 10,402, 0; Santa Maria, 180, 0; West Notus, 188, 0; Tosca, 70, 0; Santa Elisa, 20, 128; Santa Clara, 61, 128; Santa Monica, 244, 16; Osiris, 96, 0; Antigua, 292, 27; Santa Maria, 284, 0; Nansenville, 5, 0; San Gil, 100 pounds, 0; Vinland, 70, 0; California, 27, 0; Santa Cecilia, 13, 118; Santa Elena, 37, 23; Talamanca, 338, 52; Covena, 3,695, 0; Santa Paula, 72, 1; U.S.S. Vega, 87, 6.

Passengers

Ocean ship passengers disembarking at Cristobal numbered 1,351; embarking, 1,437; at Balboa, 590 disembarking and 910 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 3,332; from the Pacific to the Atlantic, 1,583. Aircraft numbering 44 entered Cristobal and 127 passengers disembarked; clearances were 44, with 110 passengers embarking. Four aircraft entered Balboa, discharging 10 passengers; 4 aircraft cleared with no passengers embarking.

Traffic Through the Panama Canal in the Calendar Year 1933, by Nationality

Nationality	No. of ships	Tonnage: Panama Canal net	Tonnage: United States equivalent	Tonnage: Registered gross	Tonnage: Registered net	Tolls	Tons of cargo
Belgian	8	46,637	34,391	53,515	36,441	$38,257.30	40,829
British	[1]1,058	5,910,109	4,248,323	7,088,501	4,304,737	5,013,036.08	4,402,714
Chilean	9	32,670	26,113	41,692	24,456	28,805.94	27,823
Colombian	2	614	604	810	616	736.80	908
Danish	124	568,725	369,039	623,388	383,126	444,858.51	469,239
Danzig	59	472,965	401,812	702,997	399,702	424,809.28	494,209
Dutch	74	465,596	307,969	516,889	312,920	380,393.56	334,347
Finnish	3	13,059	9,432	15,334	9,235	10,699.35	6,308
French	[2] 77	436,536	274,972	506,074	287,420	348,604.00	328,276
German	[3] 314	1,033,594	683,656	1,180,062	697,861	844,534.81	911,153
Greek	9	37,610	25,295	40,898	25,266	29,533.08	38,841
Honduran	3	144	138	126	114	149.56	40
Italian	55	415,742	269,984	507,859	304,668	330,068.79	210,239
Japanese	226	1,240,740	991,818	1,554,822	980,709	1,227,332.03	1,342,198
Mexican	[4] 1	.....	.....	.....	.....	613.50	.....
Norwegian	399	1,968,132	1,284,335	2,157,332	1,290,448	1,522,616.93	1,789,501
Panamanian	372	231,616	174,238	310,741	174,795	191,023.45	117,657
Peruvian	[5] 14	14,985	12,585	20,430	12,369	19,448.90	7,290
Swedish	108	485,028	320,484	734,108	398,107	377,055.76	591,827
United States	1,993	11,778,464	8,444,050	14,011,498	8,429,025	10,099,191.45	9,886,567
Venezuelan	12	10,196	9,288	17,122	11,285	9,475.56	7,209
Yugoslav	19	88,597	65,462	105,728	64,705	81,029.15	156,697
Total 1933	4,939	25,251,759	17,953,988	30,189,926	18,148,005	21,422,273.79	21,163,872
Total 1932	4,367	22,636,141	16,412,229	27,331,295	16,573,865	19,685,671.81	18,099,938
Total 1931	4,972	25,560,252	18,726,592	31,232,070	18,921,461	22,530,820.84	22,048,197

[1] Includes 4 naval vessels totaling 21,973 tons displacement (tolls $10,986.50) in transits and tolls but not in tonnage.
[2] Includes 1 naval vessel totaling 2,150 tons displacement (tolls $1,075) in transits and tolls but not in tonnage.
[3] Includes 1 naval vessel totaling 7,628 tons displacement (tolls $3,814) in transits and tolls but not in tonnage.
[4] Naval vessel of 1,227 tons displacement (tolls $613.50).
[5] Includes 8 naval vessels totaling 10,553 tons displacement (tolls $5,276.50) in transits and tolls but not in tonnage.

Restrictions on Services to Ships

Under the above heading the statement was made in THE PANAMA CANAL RECORD of December 15, 1933, that sales by the Canal commissaries to ships will be restricted to articles required for "ships' stores and equipment." The expression should have been " 'sea stores' and 'ship stores and equipment' " as it is the practice to sell "sea stores" also. Definitions of these terms were published in the RECORD of November 15, 1933.

Movements of Ocean Vessels Through the Panama Canal

From midnight December 15, 1933, to midnight January 15, 1934

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Acajutla	9	16	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	385
Harvester [1]	15	16	Amer.	The Texas Co	Pt. Arthur, Tex.	Shanghai, China.	([13])	7,837
Peter Kerr	15	16	Amer.	Quaker S.S. Line	New York, N.Y.	Seattle, Wash.	General	2,414
Nurtureton	15	16	Brit.	R. Chapman & Son	New York, N.Y.	Vancouver, B.C.	Ballast	
Chinese Prince [2]	16	16	Brit.	Prince Line, Ltd.	Boston, Mass.	Shanghai, China.	Steel, gen.	3,439
Aldington Court [2]	16	16	Brit.	Canadian Transp. Co.	London, Eng.	Vancouver, B.C.	Ballast	
San Blas	16	16	Pan.	United Fruit Co	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	
Texmar	16	16	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	3,777
Henderson [8]	16	18	Amer.	U.S. Navy	Norfolk, Va.	Manila, P.I.	Naval stores	574
Santa Rita [2]	16	17	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	2,748
Santa Paula	16	17	Amer.	Panama Mail S.S. Co.	New York, N.Y.	Seattle, Wash.	General	2,148
Virgilio [2]	16	17	Ital.	Societa Italia	Genoa, Italy	Valparaiso, Chile.	General	1,372
Willowpool	16	17	Brit.	Sir R. Ropner & Co.	Hartlepool, Eng.	Vancouver, B.C.	Ballast	
Aymeric	17	17	Brit.	Andrew Weir & Co.	Galveston, Tex.	Newcastle, Aus'lia	Sulphur	7,000
Texan	17	17	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	1,490
Margaret Johnson. [2]	17	18	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B.C.	General	3,200
Fukuyo Maru	17	17	Jap.	Yamashita K. Kaisha	Newport, Eng.	Coos Bay, Oreg.	Ballast	
Schwaben	17	17	Ger.	North German Lloyd.	Hamburg, Ger.	Portland, Oreg.	General	3,943
Geo. H. Jones [5]	17	18	Amer.	Standard Ship. Co	New York, N.Y.	Los Angeles, Cal.	Fuel oil	5,187
D. G. Scofield [1]	17	18	Amer.	Standard Oil Co	Fall River, Mass.	Los Angeles, Cal.	Ballast	
William A. McKenney.	18	18	Amer.	McCormick S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	2,168
Point Clear	18	18	Amer.	Swayne & Hoyt	New Orleans, La.	Seattle, Wash.	Iron, steel, etc	3,747
Pacific Exporter [2]	18	18	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B.C	General	537
Kent	18	18	Brit.	Federal Steam Nav. Co.	London, Eng.	New Zealand	Ballast	
W. S. Rheem [5]	18	18	Amer.	Standard Ship. Co	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Washington Express. [2]	18	18	Nor.	Fruit Express Line	Hamburg, Ger.	N. Westm'er, B.C.	Ballast	
Southern Sun [1] [2]	18	18	Amer.	Sun Oil Co	Chester, Pa.	Los Angeles, Cal.	Ballast	
Fordsdale	18	21	Brit.	Shaw, Savill & Albion.	London, Eng.	New Zealand	Ballast	
Manizales	16	18	Ger.	North German Lloyd.	Pto. Colombia	Guayaquil, Ecuad	Gen., coffee.	372
Taranaki [2]	18	19	Brit.	Shaw, Savill & Albion	Liverpool, Eng.	New Zealand	Ballast	
Tacoma [2]	18	...	Dan.	Steamship Co., Orient	Belfast, Ireland.	Vancouver, B.C.	Ballast	
J-10 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Breckenridge [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Gracia	18	19	Brit.	Donaldson Brothers.	Glasgow, Scot.	Vancouver, B.C.	General	735
Huntingdon	18	19	Brit.	Federal Steam Nav. Co.	Liverpool, Eng.	Pt. Chalm'rs, N.Z.	General	7,300
Sagadahoc	19	19	Amer.	Argonaut S.S. Line	New York, N.Y.	Seattle, Wash.	General	1,856
Quarrington Court	19	19	Brit.	United Brit. S.S. Co.	Tyne, England	Vancouver, B.C.	Ballast	
Nictheroy	19	20	Brit.	Royal Mail Lines	S'ampton, Eng.	Vancouver, B.C.	Ballast	
Amerika [2]	19	19	Dan.	East Asiatic Co	Copenhagen, Den.	Vancouver, B.C.	Gen., bana'as	498
Franz Klasen [1] [2]	19	19	Danz.	W. Tankschiff Rhed'i.	Stettin, Ger.	Talara, Peru	Ballast	
Storanger [1] [2]	19	19	Nor.	Westfal, Larsen & Co.	Grangem'th, Eng.	Los Angeles, Cal.	Ballast	
Golden Mountain.	19	20	Amer.	Williams S.S. Line	Baltimore, Md.	Seattle, Wash.	General	1,968
Alabama	19	20	Fr.	French Line	Calais, France	Talcahuano, Chile	General	605
Sage Brush	19	20	Amer.	Shepard S.S. Co	Boston, Mass.	Seattle, Wash.	General	5,166
Wm. Rockefeller [2]	19	20	Amer.	Standard Ship. Co	New York, N.Y.	Los Angeles, Cal.	Ballast	
Indra [2]	20	21	Nor.	Scand. S. Pacific Line.	Oslo, Norway	San Antonio, Chile	([14])	2,717
Ashburton [2]	20	21	Brit.	Amer. & Aus'lian Line	Halifax, N.S.	Adelaide, Aus'lia.	Gen., asphalt	6,346
Sesostris	20	20	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Corral, Chile	General	2,193
Rigel [2]	20	20	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B.C.	General	2,901
Andrea F. Luckenbach.	21	21	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,300
Laurits Swenson [2]	20	21	Nor.	Fred Olsen & Co	Oslo, Norway	Vancouver, B.C.	General	3,970
Chile Maru	21	21	Jap.	Yamashita K. Kaisha.	Newport, Eng.	Portland, Oreg.	Ballast	
Baru [2]	20	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	42
El Sona [3]	20	21	Pan.	N. Pinel	Cristobal, C.Z.	Panama, R.P.	Ballast	
Sambu [3]	20	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Panama, R.P.	Ballast	
Richmond [12]	22	...	Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z.	Ballast	
Erik Frisell	21	22	Swed.	([18])	Cor. Brook, N.F.	Tacoma, Wash.	([15])	4,020
President Harrison	22	22	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	3,121
Raby Castle [2]	22	22	Brit.	Jas. Chambers & Co.	New York, N.Y.	Shanghai, China.	General	1,168
Gypsum Queen	22	22	Brit.	Gypsum Packet Co.	New York, N.Y.	Coquimbo, Chile.	Ballast	
Gulfcrest [1] [2]	22	22	Amer.	Gulf Refining Co	New York, N.Y.	Los Angeles, Cal.	Ballast	
Umberleigh	22	22	Brit.	Anglo-Can. Ship. Co.	Barry, England	Vancouver, B.C.	Ballast	
Santa Barbara [2]	21	23	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	1,783
Santa Ana	22	23	Amer.	Panama Mail S.S. Co.	New York, N.Y.	S. Francisco, Cal.	General	1,678
Wasaborg	22	22	Fin.	J. A. Zachariasen	Newport, Eng.	Vancouver, B.C.	Ballast	
Tulsagas [1]	22	23	Amer.	Tidewater Oil Co	New York, N.Y.	S. Francisco, Cal.	([16])	1,704
Volunteer	23	23	Amer.	Lykes Bros. Ripley Co.	New Orleans, La.	Cebu, P.I.	([17])	8,878
West Mahwah	22	23	Amer.	Pac.-Arg.-Brazil Line.	Rosario, Arg.	Seattle, Wash.	Coffee, gen.	2,482
Calmar	23	23	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	4,478

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [8] Transport. [12] Cruiser. [15] Gasoline, lubricating oil, etc. [14] Cement, paper, general. [15] Newsprint paper. [16] Lubricating oil, grease. [17] Cotton, scrap steel, etc. [18] N. F. L. D. Export & Shipping Co.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Meton [1]	23	23	Amer.	Shell Eastern Co.	Sewaren, N.J.	Los Angeles, Cal.	Ballast	.....
Japan Arrow [1]	23	23	Amer.	Stand. Vacuum Tr'sp.	Boston, Mass.	S. Francisco, Cal.	Ballast	.....
Hokkai Maru [2]	23	23	Jap.	Osaka Shosen Kaisha.	Philadelphia, Pa.	Dairen, China	General	7,880
San Gil	23	23	Pan.	United Fruit Co.	Mobile, Ala.	Pto.Arm'les, R.P.	Ballast	.....
Lena Luckenbach.	23	23	Amer.	Luckenbach Line	New Orleans, La.	Seattle, Wash.	General	3,711
Avelona Star	23	24	Brit.	Blue Star Line	London, Eng.	Wellington, N.Z.	Ballast	.....
Temple Bar	23	24	Brit.	Lambert S.S. Co.	Newcastle, Eng.	Arica, Chile	Ballast	.....
Lagarto [2]	23	24	Brit.	Pacific Steam Nav.Co.	Hull, England	Valparaiso, Chile.	General	4,503
Istmo	22	24	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	100
District of Columbia. [1]	23	24	Amer.	Standard Oil Co.	Tampico, Mexico	Los Angeles, Cal.	([13])	7,241
Montevideo Maru. [2]	24	24	Jap.	Osaka Shosen Kaisha.	Montevideo, Uru.	Kobe, Japan	General	3,759
Blue Dolphin [6]	24	...	Brit.	A. D. Chandler	Gloucester, Mass.	Galapagos, Is.	Ballast	.....
American	24	24	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,632
Durazzo	17	24	Ger.	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil, Ecuad	General	515
Atlantic City	24	24	Brit.	Reardon Smith Line.	Beaumont, Tex.	Moji, Japan	General	8,293
Brielle	24	24	Neth.	Cia. de Salitre de Chile	Amsterdam, Neth	Chile	Ballast	.....
Heffron	24	24	Amer.	Pac. Coast Direct Line	Philadelphia, Pa.	Seattle, Wash.	Steel, gen.	843
Rialto [2]	24	25	Ital.	Nav. Libera Triestina	Trieste, Italy	Vancouver, B.C.	General	1,806
Steel Exporter	24	25	Amer.	Isthmian S.S. Lines.	Portland, Oreg.	Seattle, Wash.	Steel, gen.	5,540
Willboro	25	25	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	672
Jersey City	25	25	Brit.	Norton, Lilly & Co.	Baltimore, Md.	Portland, Oreg.	Ballast	.....
Gypsum Prince	25	25	Brit.	Gypsum Packet Co.	New York, N.Y.	Chile	Ballast	.....
Bodegraven	24	25	Neth.	Royal Neth. S.S. Co.	Hamburg, Ger.	Valparaiso, Chile.	General	1,538
Sinnington Court.	25	26	Brit.	Haldin & Philipps.	Sunderland, Eng.	Williamsh'd, B.C.	Ballast	.....
Peter Maersk [2]	25	25	Dan.	Isbrandtsen Moller	Boston, Mass.	Iloilo, P.I.	General	6,773
City of Lyons	25	25	Brit.	Bucknall S.S. Co.	Philadelphia, Pa.	Sydney, Aus'lia.	General	2,691
Masunda	25	26	Brit.	Maclay & McIntyre.	Newcastle, Eng.	Vancouver, B.C.	Ballast	.....
Trondanger [2]	26	26	Nor.	Interocean Line	Hamburg, Ger.	Vancouver, B.C.	Psgrs. only	.....
Mirrabooka [2]	26	26	Swed.	Transpacific S.S. Co.	Boston, Mass.	Los Angeles, Cal.	Psgrs. only	.....
Steel Inventor	26	26	Amer.	Isthmian S.S. Lines.	Swansea, Eng.	Vancouver, B.C.	Tinplate	3,065
Fordefjord [2]	25	26	Nor.	Chile Nitrate Sales Co.	Charleston, S.C.	Chile	Ballast	.....
San Lucas	26	26	Amer.	States S.S. Co.	Bayonne, N.J.	Tacoma, Wash.	([14])	2,140
Anniston City	25	26	Amer.	Isthmian S.S. Lines.	Baltimore, Md.	Port Allen, T.H.	General	4,746
Zaanland	26	26	Neth.	Royal Holland Lloyd.	Amsterdam, Neth	Vancouver, B.C.	Ballast	.....
Lisbon Maru	26	26	Jap.	Nippon Yusen Kaisha	Philadelphia, Pa.	Kobe, Japan	Phos'te, gen.	8,312
Virginian	26	26	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	1,320
El Libertador [3]	26	...	Pan.	A. A. Valdez	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Sambu [3]	26	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Real [3]	26	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Narenta	26	27	Brit.	Royal Mail Lines	S'ampton, Eng.	Vancouver, B.C.	General	1,488
El Aleto [2]	26	27	Brit.	Lobitos Oilfields, Ltd.	Aruba, D.W.I.	Guayaquil, Ecuad	Fuel oil	6,256
Castana [1]	26	27	Amer.	U.S. Tankship Corp.	New Orleans, La.	Los Angeles, Cal.	Ballast	.....
Charles Christenson.	26	27	Amer.	Sudden & Christenson	Baltimore, Md.	Portland, Oreg.	General	1,531
S. C. T. Dodd [1]	26	27	Amer.	J. B. Berry Sons Co.	Tiverton, R.I.	Los Angeles, Cal.	Ballast	.....
Alaska	27	27	Nor.	Chil.NitrateSalesCorp	Norfolk, Va.	Ant'fagasta, Chile	Ballast	.....
Wisconsin	27	28	Fr.	French Line	Antwerp, Belg.	Vancouver, B.C.	Gen., wines	4,543
President Lincoln.	28	29	Amer.	Dollar Line	New York, N.Y.	Manila, P.I.	General	2,049
Harry Luckenbach.	27	28	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,162
Athellaird [1] [2]	27	28	Brit.	United Molasses Co.	Albany, N.Y.	S.Luis Obispo,Cal	.....	.....
Portland [2]	27	28	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	3,120
Motor Sailer	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Iddesleigh	28	29	Brit.	Dale & Co.	Baltimore, Md.	Vancouver, B.C.	Ballast	.....
Pennsylvania	29	29	Amer.	Panama-Pacific Line.	New York, N.Y.	S. Francisco, Cal.	General	1,611
Fernlane [2]	28	29	Nor.	Fearnley & Eger	New Orleans, La.	Shanghai, China.	Cotton, gen.	5,378
Dallington Court.	28	29	Brit.	Haldin & Philipps, Ltd.	Sunderland, Eng.	Vancouver, B.C.	Ballast	.....
City of Christchurch.	29	29	Brit.	Ellerman & Bucknall.	Baltimore, Md.	Shanghai, China.	General	4,441
Curaca	28	29	Pan.	Argonaut Line	Newp't News, Va.	Moji, Japan	Scrap iron	7,281
Uffington Court	29	29	Brit.	Anglo-Can. S.S. Co.	Sunderland, Eng.	Puget Sd., Wash.	Ballast	.....
Almelo	29	30	Neth.	Royal Neth. S.S. Co.	Amsterdam, Neth	Vancouver, B.C.	Ballast	.....
Bradburn	29	30	Brit.	W. R. Smith & Sons.	Tampa, Fla.	Shanghai, China.	([15])	7,300
Felix Taussig	29	30	Amer.	McCormick Line	Baltimore, Md.	Seattle, Wash.	General	2,690
San Blas	30	30	Pan.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	.....
City of Delhart [2]	29	30	Amer.	Roosevelt Line (S.B.).	Philadelphia, Pa.	Fremantle, Aus'lia	General	4,304
Taranger [2]	29	30	Nor.	Interocean Line	Rotterdam, Neth.	Guayaquil, Ecuad	Psgrs. only	.....
Rossington Court.	29	30	Brit.	Canadian Transp. Co.	Tyne, England	Vancouver, B.C.	Ballast	.....
Brilliant [1] [2]	30	30	Amer.	Stand. Vacuum Tr'sp.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Salvador	23	30	Brit.	Pacific Steam Nav. Co.	Cristobal, C.Z.	Champ'ico, Guat.	General	461
Selma City	30	31	Amer.	Isthmian Line	Newp't News, Va.	Shanghai, China.	General	6,140
Remuera	30	31	Brit.	N. Z. Shipping Co.	London, Eng.	Pt. Chalm's, N.Z.	General	1,850
Vardaas [1]	26	30	Nor.	Anglo-Saxon Pet. Co.	Curacao, D.W.I.	Los Angeles, Cal.	Ballast	.....
Retriever	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Motor Sailer	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [6] Yacht. [13] Refined petroleum. [14] Steel plates, general. [15] Phosphate, cotton, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Santa Rosa	30	31	Amer.	Panama Mail Line	New York, N.Y.	Seattle, Wash.	General	1,202
Mevania [2]	30	31	Amer.	C. D. Mallory	New York, N.Y.	Martinez, Calif.	Ballast	.....
Montanan	31	31	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	1,532
Avance [6]	21	31	Brit.	A. M. Stanton	Milford, Eng.	S. Pac. Islands	Ballast	.....
Thelma [6]	10	31	Brit.	A. W. Roberts	London, Eng.	Balboa, C.Z.	Ballast	.....
Frumenton	31	31	Brit.	R. Chapman & Son	Tyne, England	Vancouver, B. C.	Ballast	.....
Point Ancha	31	31	Amer.	Swayne & Hoyt	Beaumont, Tex.	Portland, Oreg.	(13)	1,810
Port Hunter	31	31	Brit.	Com'lth & Dom. Line.	London, Eng.	Bluff, N.Z.	General	4,745
Athelcrown [1] [2]	31	31	Brit.	United Molasses Co.	Hull, England	Los Angeles, Cal.	Ballast	.....
Svealand [2]	31	31	Swed.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Soyo Maru [2]	31	31	Jap.	Kawasaki K. Kaisha	Tampa, Fla.	Kobe, Japan	Ballast	.....
Point Salinas	31	31	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	5,905
Silveryew [2]	1	1	Brit.	Silver Line	New York, N.Y.	Singapore, St. Set.	General	4,617
Steel Age	1	1	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,016
Devon City [2]	1	1	Brit.	Reardon Smith Line	Newcastle, Eng.	Vancouver, B.C.	Ballast	.....
Cali	23	1	Ger.	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	315
Adamello	1	1	Ital.	Satterio Co.	Bremen, Ger.	Arica, Chile	Ballast	.....
Allan Jackson [2]	1	1	Amer.	Standard Ship. Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Santa Olivia	1	1	Amer.	Grace Line	New York, N.Y.	Talcahuano, Chile	General	3,079
Foylebank [2]	2	2	Brit.	Andrew Weir & Co.	Manati, Cuba	Hongkong, China	Sugar	6,825
Nagara	2	2	Brit.	Royal Mail Lines	Liverpool, Eng.	N. West'er, B.C.	Ballast	.....
Romulus	2	2	Nor.	Wiel Amundsen	LaGuayra, Venez.	Los Angeles, Cal.	Ballast	.....
Canadian Cruiser	2	2	Brit.	Can. Nat. Steamships	Halifax, N.S.	Auckland, N.Z.	(14)	4,123
Reginolite [1] [2]	2	3	Brit.	Standard Ship. Co.	Caripito, Venez.	Tocopilla, Chile	Fuel oil	11,640
D. L. Harper [1] [2]	2	3	Danz.	W. Tankschiff Rhed'i.	S'ampton, Eng.	Talara, Peru	Ballast	.....
Canadian Farmer	3	3	Brit.	Gr. Lakes Interc'l Line	Montreal, Can.	Vancouver, B.C.	General	2,304
Minnesotan	3	3	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	1,598
Brion	1	3	Neth.	Royal Neth. S.S. Co.	Cristobal, C.Z.	Guayaquil, Ecuad	General	7
Ville de Strasbourg.	3	3	Fr.	Messageries Maritimes	Marseilles, Fr.	New Caledonia	General	1,074
Nuevo Panama [2]	2	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	(15)	122
Heina [2]	3	3	Nor.	J. L. Mowinckel Red.	New York, N.Y.	Vancouver, B.C.	Ballast	.....
Llangollen	3	4	Brit.	E. T. Radcliff & Co.	Cardiff, Eng.	Arica, Chile	Ballast	.....
Sambu [3]	2	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Havfru [1] [2]	4	4	Nor.	Anglo-Saxon Pet. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	.....
Lillian Luckenbach.	4	4	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	2,377
Caduceus	4	4	Brit.	Nitrate Corporation	Barry, England	Arica, Chile	Ballast	.....
Sekiho Maru	3	4	Jap.	Dairen K. K. Kaisha	Newcastle, Eng.	Portland, Oreg.	Ballast	.....
Agira	4	5	Ger.	North German Lloyd.	Hamburg, Ger.	Champ'ico, Guat.	General	867
Trimountain [1]	4	5	Amer.	Home Fuel Oil Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
J. N. Pew [1]	4	5	Amer.	Sinclair Oil Co.	Chester, Pa.	S. Luis Obispo, Cal.	Ballast	.....
Athelprince [1] [2]	5	5	Brit.	United Molasses Co.	London, Eng.	Los Angeles, Cal.	Ballast	.....
Danmark [1] [2]	5	5	Dan.	Standard Oil Co.	Rouen, France	Talara, Peru	Ballast	.....
San Anselmo	5	5	Amer.	Quaker S.S. Line	Albany, N.Y.	Seattle, Wash.	General	2,106
President Hayes	5	5	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	3,610
Santa Elisa	5	6	Amer.	Panama Mail S.S. Co.	New York, N.Y.	S. Francisco, Cal.	General	1,370
Cathwood [1]	5	6	Amer.	Union Oil Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Santa Clara	4	6	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	3,091
Newton Ash	5	5	Brit.	Tyne Side Line	Boston, Mass.	Portland, Oreg.	Ballast	.....
Tai Yang [2]	5	6	Nor.	Barber Wilhelmsen	New York, N.Y.	Yokohama, Jap.	General	5,721
Solana [1]	5	6	Amer.	Shell Oil Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Bradfyne	6	6	Brit.	W. R. Smith & Sons	Boca Gr'de, Fla.	Shanghai, China	(16)	6,961
San Gil	6	6	Pan.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	.....
Alaskan	6	6	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,326
Rhexenor	6	6	Brit.	Alfred Holt & Co.	Boston, Mass.	Yokohama, Japan	General	5,770
Osiris [2]	5	7	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	2,773
Pacific Trader [2]	6	6	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B.C.	General	568
Los Angeles [2]	6	6	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	3,538
Manizales	5	...	Ger.	North German Lloyd.	Cristobal, C.Z.	Balboa, C.Z.	Drydocking	.....
Jacob Luckenbach.	6	6	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	5,338
Istmo	1	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	(15)	170
Gothic Star	6	7	Brit.	Blue Star Line	Newcastle, Eng.	N. West'er, B.C.	Ballast	.....
Orville Harden [1] [2]	7	7	Danz.	Baltic-Amer. Oil Co.	New York, N.Y.	Talara, Peru	Ballast	.....
Edwin Christenson.	7	7	Amer.	McCormick S.S. Co.	Norfolk, Va.	Seattle, Wash.	General	1,592
Chattanooga City	7	7	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Singapore, St. Set.	Steel, gen.	6,025
Camden [1]	7	8	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Knut Hamsun	7	7	Nor.	Chilean Nit. Sales Co.	Rotterdam, Neth.	Tocopilla, Chile	Ballast	.....
Swainby	7	8	Brit.	Nitrate Corporation	Tyne, England	Taltal, Chile	Ballast	.....
Beaconlight [1]	7	8	Amer.	Standard Ship. Co.	Wilmington, N.C.	Los Angeles, Cal.	Ballast	.....
Gulfwax [1]	7	8	Amer.	Gulf Refining Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Yorkmar	8	8	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	8,097
Trebartha	8	8	Brit.	Hain Steamship Line.	Cardiff, Eng.	Portland, Oreg.	Ballast	.....
Ashleigh	8	8	Brit.	Dale & Co.	Cardiff, Eng.	Vancouver, B.C.	Ballast	.....
Teal [10]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Lochgoil [2]	8	9	Brit.	Royal Mail Lines	Rotterdam, Neth.	Vancouver, B.C.	General	84

[1] Tanker. [2] Motor ship. [3] Motor schooner. [6] Yacht. [10] Mine sweeper. [13] Lumber, paper, etc. [14] Paper, steel, general. [15] Gasoline, general. [16] Cotton, phosphate, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Willzipo	9	9	Amer.	Williams S.S. Line	Baltimore, Md.	Seattle, Wash.	General	2,400
Ruahine	9	9	Brit.	N Z. Shipping Co.	Liverpool, Eng.	Pt. Chalm'rs, N.Z.	General	5,175
Nansenville [3]	9	9	Nor.	Fred Olsen Line	Hull, England	Vancouver, B.C.	General	2,654
Amsterdam	9	9	Neth.	Anglo-Can. Ship. Co.	Amsterdam, Neth	Vancouver, B.C.	Ballast	.....
Waziristan	9	9	Brit.	Common Brothers	Shields, England	Vancouver, B.C.	Ballast	.....
Barrwhin	9	9	Brit.	Canadian Transp. Co.	Tyne, England	Vancouver, B.C.	Ballast	.....
Cerigo	31	9	Ger.	Hamburg-Amer. Line	Cristobal, C.Z.	Guayaquil, Ecuad	General	406
Oregon Express [3]	9	9	Nor.	Fruit Express Line	Hamburg, Ger.	Los Angeles, Cal.	Ballast	.....
Santa Maria [1]	8	9	Amer.	Union Oil Co.	Cristobal, C.Z.	Los Angeles, Cal.	Ballast	.....
Charles G. Black [3]	9	10	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Democracy	9	10	Amer.	Nelson Line	New York, N.Y.	Seattle, Wash.	General	4,230
Dalworth	9	10	Brit.	R. S. Dalgliesh, Ltd.	Galveston, Tex.	Kobe, Japan	Cotton	4,738
Corrientes	9	10	Brit.	Donaldson Line	Glasgow, Scot.	Vancouver, B.C.	General	669
Silveray [3]	9	10	Brit.	Kerr S.S. Line	Beaumont, Tex.	Shanghai, China	General	5,791
Kifuku Maru	9	10	Jap.	Kokusai Kisen Kaisha	New York, N.Y.	Yokohama, Jap.	General	7,063
Belfast Maru	9	10	Jap.	Kawasaki K. Kiasha	Philadelphia, Pa.	Kobe, Japan	Gen., cotton	3,618
Frieda	10	10	Amer.	Union Sulphur Co.	Freeport, Tex.	Tacoma, Wash.	Sulphur	5,064
Paul H. Harwood [3]	10	10	Amer.	Standard Ship. Co.	Savannah, Ga.	Los Angeles, Cal.	Ballast	.....
Vancolite [1] [3]	10	10	Brit.	Imperial Oil Co.	New York, N.Y.	Talara, Peru	Ballast	.....
Nalon	10	10	Brit.	Royal Mail Lines	Liverpool, Eng.	Seattle, Wash.	Ballast	.....
Fresno Star	10	10	Brit.	Blue Star Line	Newcastle, Eng.	Seattle, Wash.	Ballast	.....
Nuolja [3]	10	11	Swed.	Grangesb'g-Oxelosund	Philadelphia, Pa.	Kobe, Japan	Scrap steel	9,094
Real [3]	9	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	50
Sambu [3]	9	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	16
El Sona [3]	9	..	Pan.	A. A. Valdes	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Minerva [3]	10	11	Nor.	H. M. Wrangell & Co	London, Eng.	Los Angeles, Cal.	Ballast	.....
President Taft	11	12	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	2,492
Newton Elm	10	11	Brit.	Tyneside Line, Ltd.	Tyne, England	Vancouver, B.C.	General	.....
Dorothy Cahill	10	11	Amer.	Arrow Line	Baltimore, Md.	S. Francisco, Cal.	General	1,535
Amerikaland [3]	11	11	Swed.	Ore S.S. Corp.	New York, N.Y.	Cruz Gr'de, Chile	Ballast	.....
Horace Luckenbach.	11	11	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,320
Nordhavet [3]	11	11	Dan.	Anglo-Can. Ship. Co.	Manchester, Eng.	Vancouver, B.C.	Ballast	.....
Europa [3]	11	11	Dan.	East Asiatic Co.	Copenhagen, Den	Vancouver, B.C.	General	269
Kwanto Maru [3]	11	11	Jap.	Osaka Shosen Kaisha	Philadelphia, Pa.	Kobe, Japan	Cotton, gen.	8,381
Orbita	11	12	Brit.	Pacific Steam Nav. Co	Liverpool, Eng.	Valparaiso, Chile.	General	2,332
California	12	12	Amer.	Panama-Pacific Line	New York, N.Y.	S. Francisco, Cal.	General	1,741
Oregon [3]	11	12	Fr.	French Line	Antwerp, Belg.	Vancouver, B.C.	General	923
Hakonesan Maru [3]	11	12	Jap.	Mitsui & Co.	New York, N.Y.	Yokohama, Jap.	General	7,761
Athelknight [1] [3]	12	12	Brit.	Standard Oil Co.	Rotterdam, Neth.	S.Luis Obispo, Cal	Ballast	.....
Witell	12	12	Ger.	North German Lloyd.	Bremen, Ger.	Vancouver, B.C.	Ballast	.....
Celtic Star	12	12	Brit.	Blue Star Line	N. Shields, Eng.	Vancouver, B.C.	Ballast	.....
Birkenfels	12	12	Ger.	Anglo-Can. Ship. Co.	Newp't News, Va.	Vancouver, B.C.	Ballast	.....
Nordpol [3]	12	12	Dan.	W. L. Comyn & Co.	(13)	S. Francisco, Cal.	Sugar	4,000
J-26 [5]	..	..	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Acajutla	7	13	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	400
San Blas	13	13	Pan.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	.....
Joseph Seep [2]	12	13	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Heranger [3]	12	13	Nor.	Interocean S S. Corp.	Rotterdam, Netb.	Vancouver, B.C.	Pass'grs only	.....
Mauna Ala	12	13	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Tacoma, Wash.	Steel prod.	1,708
Point Brava	13	13	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	(13)	3,812
Comet [1]	13	13	Amer.	Stand. Vacuum Tr'sp.	Providence, R.I.	Los Angeles, Cal.	Ballast	.....
Cingalese Prince [2]	13	13	Brit.	Prince Line, Ltd	New York, N.Y.	Shanghai, China	General	539
Colorado Spring	13	13	Amer.	Lykes Bros. Ripley Co	Mobile, Ala.	Cebu, P.I.	Cotton, gen.	7,052
Evanger	13	14	Nor.	Chile. Nit. Sales Corp.	Newp't News, Va.	Chile	Ballast	.....
Santa Elena	13	14	Amer.	Panama Mail S.S. Co.	Philadelphia, Pa	Seattle, Wash.	Gen, coffee.	1,675
Axel Johnson [3]	13	14	Swed.	Johnson Line	Stockholm, Swed	Vancouver, B.C.	(14)	1,742
J. A. Mowinckel [1]	13	14	Danz.	W. Tankschiff Rhed'i	New York, N.Y.	Talara, Peru	Ballast	.....
Mexican	13	14	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,119
Amstelland	14	14	Neth.	W. L. Comyn & Sons.	Amsterdam, Neth	Vancouver, B.C.	Ballast	.....
Istmo	13	15	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	150
Taybank [3]	15	15	Brit.	Bank Line	Boston, Mass.	Shanghai, China	General	3,300
S-10 [7]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-12 [7]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-13 [7]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-14 [7]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-15 [7]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-16 [7]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-17 [7]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-48 [7]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Mallard [10]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Houseboat	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
No. 4 [5]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
No. 5 [5]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
No. 7 [5]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
No. 8 [5]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Vega	13	15	Amer.	U.S. Navy	Norfolk, Va.	Puget Sd., Wash.	General	1,700
Lapwing [10]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [7] Submarine. [10] Mine sweeper.
[13] Steel, corn, general. [14] Paper, coffee, general. [13] La Romana, Santo Domingo.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Gen. Wm. M. Graham.[11]	...	...	Amer..	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Hollywood	15	15	Amer..	McCormick S.S. Co.	Buenos Aires, Arg.	Los Angeles, Cal.	General	4,936
Deroche[4]	15	15	Amer..	Union Oil Co.	Tiverton, R.I.	Los Angeles, Cal.	Ballast	.....
Santa Inez[2]	14	15	Amer..	Grace Line	New York, N.Y.	Talcahuano, Chile	General	2,267
Manizales	14	15	Ger...	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	320
Libertador[3]	14	...	Pan...	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Dean Emery[1]	15	15	Amer..	Standard Ship. Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Launch	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Launch	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Pukkastan	16	16	Brit...	Anglo-Canadian Co.	Vancouver, B.C.	Avonmouth, Eng.	General	10,311
Steel Ranger	16	16	Amer..	Isthmian S.S. Lines	N. West'er, B.C.	Avonmouth, Eng.	General	7,950
Poseidon	16	17	Ger...	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger.	General	9,214
Leise Maersk[2]	16	17	Dan...	Isbrandtsen Moller.	Paita, Peru	London, Eng.	Guano	4,650
Vardaas[1 2]	16	17	Nor...	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, D.W.I.	Stove oil	11,013
Cathwood[1]	16	17	Amer..	Union Oil Co., Calif.	Los Angeles, Cal.	Boston, Mass.	Gasoline	8,600
Arizonan	17	17	Amer..	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	4,643
Durazzo	17	24	Ger...	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	([15])	253
Flomar	17	17	Amer..	Calmar S.S. Corp.	Seattle, Wash.	New York, N.Y.	General	2,663
Moordrecht[1 2]	17	17	Neth..	Van Ommeren, Ltd.	S. Francisco, Cal.	Aruba, D.W.I.	Benzine	9,595
Nordhval[2]	17	17	Dan...	Comyn & Sons	Willapa Harbor.	Rotterdam, Neth.	Lumber	6,350
Abraham Lincoln.[2]	17	17	Nor...	Fred Olsen Line	Vancouver, B.C.	Oslo, Norway	General	7,293
E. T. Bedford[1 2]	17	18	Amer..	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	15,000
Filleigh	17	18	Brit...	Dale & Co.	Alberni, B.C.	London, Eng.	Grain, lum'r.	8,170
Ninna	17	18	Dan...	Anglo-Canadian Co.	N. West'r, B.C.	Hook of Holland.	Fruits	523
Damsterdijk[2]	18	18	Neth..	Holland-Amer. Line.	Vancouver, B.C.	Rotterdam, Neth.	General	10,321
Losada[2]	18	18	Brit...	Pacific Steam Nav. Co	Valparaiso, Chile.	Hull, Eng.	General	8,457
Santa Elena	18	19	Amer..	Grace Line	Seattle, Wash.	Philadelphia, Pa.	Coffee, gen.	4,125
Peter Hurll[1 2]	19	19	Danz..	W. Tankschiff Rhed'i.	Talara, Peru	Le Havre, France	Crude oil	16,414
C. A. Canfield[1]	18	19	Amer..	Pan Amer. For'n Corp.	Los Angeles, Cal.	Tiverton, R.I.	Furnace oil	8,755
Robin Goodfellow.	18	19	Amer..	Luckenbach Line	Portland, Oreg.	Mobile, Ala.	Sugar, gen.	4,649
Gulfwax[1]	18	19	Amer..	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	13,581
Taijin Maru[2]	18	19	Jap...	Ocean Transp. Co.	Konan, Korea	Savannah, Ga.	([16])	6,349
Hindanger	18	19	Nor...	Interocean Line	Vancouver, B.C.	Havre, France	Wheat, gen.	6,842
San Blas	19	19	Pan...	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,330
Dorothy Luckenbach.	19	19	Amer..	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,650
J. M. Danziger[1]	18	20	Amer..	Standard Ship. Co.	El Segundo, Cal.	Jacksonville, Fla.	Fuel oil	10,800
Canadolite[1 2]	18	20	Brit...	Imperial Oil Co.	Lobitos, Peru	Halifax, Canada.	Crude oil	15,408
Boskoop	19	21	Neth..	Royal Neth. S.S. Co.	Valparaiso, Chile.	Hamburg, Ger.	General	8,092
Exanthia	20	20	Amer..	Shepard Line	Seattle, Wash.	Philadelphia, Pa.	General	6,886
Sambu[5]	20	21	Pan...	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	23
Missourian[2]	20	20	Amer..	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,621
Baru[2]	20	21	Pan...	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	88
El Sona[2]	20	21	Pan...	National Nav. Co.	Bayano, R.P.	Cristobal, C.Z.	Bananas	24
Amerikaland[2]	20	21	Swed..	Ore S.S. Corp.	Cruz Gr'de, Chile	New York, N.Y.	Iron ore	22,000
Tuscan Star[2]	20	21	Brit...	Blue Star Line	Auckland, N.Z.	London, Eng.	Frozen, gen.	6,821
Cape of Good Hope.[2]	20	21	Brit...	Chilean Nitrate Co.	Tocopilla, Chile.	Azores[14]	Nitrate	7,703
Port Huon[2]	20	21	Brit...	Com'lth & Dom. Line	Auckland, N.Z.	London, Eng.	Frozen, gen.	6,950
Orla II[2]	20	21	Nor...	Mitsui Bussan Kaisha	Dairen, China	Hamburg, Ger.	Soy beans	5,070
S-15[7]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
S-17[7]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
E. J. Bullock[1]	20	21	Amer..	Standard Ship. Co.	El Segundo, Cal.	Jacksonville, Fla.	Fuel oil	10,218
Washington[2]	21	22	Fr...	French Line	Portland, Oreg.	Rotterdam, Neth.	General	8,120
Cities Service Empire.[1]	21	21	Amer..	The Texas Co.	Los Angeles, Cal.	Pt. Arthur, Tex.	Crude oil	12,003
San Rafael	21	21	Amer..	States S.S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	5,151
S-12[7]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
S-13[7]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
S-16[7]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Santa Clara	21	22	Amer..	Grace Line	San Antonio, Chile	New York, N.Y.	General	5,374
Brighton	21	21	Brit...	Dale & Co.	Vancouver, B.C.	Avonmouth, Eng.	Wheat, gen.	8,240
Kurama Maru[2]	21	22	Jap...	Kokusai Kisen Kaisha	Manila, P.I.	Boston, Mass.	General	7,004
Reina del Pacifico[2]	22	22	Brit...	Pacific Steam Nav. Co.	Lota, Chile	Liverpool, Eng.	General	6,427
Mobile City	22	22	Amer..	Isthmian S.S. Lines	Seattle, Wash.	Baltimore, Md.	General	8,769
Kinai Maru[2]	22	22	Jap...	Osaka Shosen Kaisha.	Manila, P.I.	Baltimore, Md.	General	3,928
No. 223[13]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	([17])	.....
No. 353[13]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	([17])	.....
Mallard, No. 44[4]	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	([18])	.....
Chester Sun[1 2]	22	22	Amer..	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,246

[1] Tanker. [2] Motor ship. [3] Motor schooner. [4] Tug. [5] Launch. [7] Submarine. [11] Mine planter. [13] Sub-chaser. [14] For orders. [15] Coffee, cocoa, general. [16] Sulphate ammonia, etc. [17] Towed by *Mallard*. [18] Towing sub-chasers.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
S-48 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Istmo [2]	22	24	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee, gen.	498
Chateau Thierry [8]	21	23	Amer.	U.S. Army	Honolulu, T.H.	New York, N.Y.	Supplies	344
Ashby	22	22	Brit.	Dale & Co.	Vancouver, B.C.	Hull, England	Wheat, oats	7,970
Prince Rupert City.	22	23	Brit.	Reardon Smith Line.	Vancouver, B.C.	London, Eng.	General	7,900
Salvador	23	...	Brit.	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z.	General	245
Hegira	23	23	Amer.	Pac. Coast Direct Line	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	9,000
Cali	23	...	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,028
Moldanger [2]	23	24	Nor.	Interocean Line	Vancouver, B.C.	Rotterdam, Neth.	General	8,280
President Taft	24	24	Amer.	Dollar Line	Hongkong, China	New York, N.Y.	General	4,751
Oregonian	24	24	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	4,513
Este	24	24	Ger.	North German Lloyd.	Vancouver, B.C.	Hamburg, Ger.	General	9,253
Marie Maersk [1] [2]	24	25	Dan.	A. P. Moller	Talara, Peru	Pt. de Bouc, Fr.	Crude oil	13,252
Annie Johnson [2]	24	25	Swed.	Johnson Line	Vancouver, B.C.	Stockholm, Swed.	General	6,114
Franklin K. Lane [1]	24	25	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,523
Canadian Constructor.	24	25	Brit.	Can. Nat. Steamships.	Auckland, N.Z.	Halifax, N.S.	General	730
Tilsington Court	25	25	Brit.	Haldin & Philipps.	Alberni, B.C.	Hull, England	General	10,146
Tejon [1]	24	25	Amer.	Gen. Petroleum Corp.	S. Francisco, Cal.	New York, N.Y.	Gas oil	10,333
J. L. Luckenbach.	25	25	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	5,004
Deroche [1]	25	25	Amer.	Union Oil Co.	Los Angeles, Cal.	Tiverton, R.I.	Furnace oil	10,500
Sidney M. Hauptman.	25	25	Amer.	McCormick S.S. Co.	Seattle, Wash.	Baltimore, Md.	Lum'r, gen.	7,546
Lubrico [1]	25	25	Amer.	J. B. Barry Sons Co.	S. Francisco, Cal.	Tiverton, R.I.	Kerosene	9,840
Royal Star	25	26	Brit.	Blue Star Line	Victoria, B.C.	London, Eng.	Frozen, fruit	5,065
Aliki	25	25	Greek.	N. A. Livanos	Pto. Chic'a, Peru.	Marseilles, France	Sugar	7,400
El Libertador [2]	25	26	Pan.	A. Valdes	Darien, R.P.	Cristobal, C.Z.	Bananas	32
Brand [2]	25	27	Nor.	A. S. Borgestad	Dairen, China	Hamburg, Ger.	Soy beans	8,351
California	25	26	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	4,717
Hardingham	25	26	Brit.	Chilean Nitrate Corp.	Taltal, Chile	Azores [13]	Nitrate	8,630
Ambassador	25	26	Brit.	Hall Bros. S.S. Co.	Ant'fagasta, Chile	Azores [13]	Nitrate	7,920
Tomislav	25	26	Y-Slav.	Nitrate Corp. of Chile	Ant'fagasta, Chile	Azores [13]	Nitrate	8,200
Real [2]	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	42
Sambu [5]	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	25
San Gil	26	26	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	880
Willmoto [2]	26	26	Amer.	Williams S.S. Co.	Seattle, Wash.	New York, N.Y.	Lum'r, gen.	7,500
Pacific Ranger [2]	26	26	Brit.	Furness, Withy & Co.	Victoria, B.C.	Manchester, Eng.	Fruit, gen.	8,477
Ethan Allen	26	26	Amer.	Lykes Bros., Ripley Co.	Manila, P.I.	New Orleans, La.	([14])	10,233
Santa Inez [2]	25	27	Amer.	Grace Line	Talcahuano, Chile	New York, N.Y.	General	3,834
Mercury Sun [1] [2]	26	27	Amer.	Shell Oil Co.	Wilmington, Cal.	Sewaren, N.J.	([15])	13,650
Tigre [2]	27	27	Nor.	Comyn & Son	N. West'er, B.C.	Antwerp, Belg.	General	7,186
Tai Shan [2]	26	27	Pan.	Barber Lines	Manila, P.I.	New York, N.Y.	General	6,008
Kansan	27	27	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	5,871
Northern Sun [1] [2]	27	27	Amer.	Sun Oil Co.	Los Angeles, Cal.	Baltimore, Md.	([15])	13,000
Point Chico	27	27	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	([16])	6,003
Franz Klasen [1] [2]	27	27	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Rotterdam, Neth.	([17])	16,555
Naples Maru	27	28	Jap.	Kokusai K. Kaisha	Iloilo, P.I.	E. coast U.S.A. [13]	Sugar	7,438
Point Lobos	27	28	Amer.	Gulf Pac. Mail Line	Everett, Wash.	Mobile, Ala.	Lum'r, gen.	3,632
Hanau	27	28	Ger.	Hamburg-Amer. Line.	Magallanes, Chile	Hamburg, Ger.	General	8,783
Victolite [1] [2]	27	28	Brit.	Imperial Oil Co., Ltd.	Callao, Peru	Halifax, N.S.	Crude oil	15,924
Parthenia	28	28	Brit.	Donaldson Line, Ltd.	Vancouver, B.C.	Glasgow, Scot.	General	5,990
Henry S. Grove	28	28	Amer.	Argonaut S.S. Co.	Port Alice, B.C.	Baltimore, Md.	Lum'r, gen.	8,247
Venice Maru	28	28	Jap.	Kawasaki K. Kaisha	Yokohama, Jap.	New Orleans, La.	General	4,515
Cities Service Toledo. [2]	28	28	Amer.	Warner Quinlan Co.	S. Francisco, Cal.	New York, N.Y.	Furnace oil	12,323
Cumberland	28	29	Brit.	Federal Steam Nav. Co.	Pt. Chalmers, N.Z.	Glasgow, Scot.	General	8,741
American Oriole	28	28	Amer.	Puget Sd. Asso. Mills.	Olympia, Wash.	Philadelphia, Pa.	Lumber	7,450
Cressington Court	28	29	Brit.	Anglo-Can. S.S. Co.	Vancouver, B.C.	London, Eng.	Lum'r, grain	8,700
Beljeanne [2]	28	29	Nor.	Anglo-Can. Ship. Co.	Pt. Alberni, B.C.	Liverpool, Eng.	Lum'r, wheat	9,800
Witram	29	29	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Leith, Scotland	Grain, gen.	7,564
Aleksandar I	29	29	Y-Slav.	Chilean Nitrate Co.	Iquique, Chile	Azores [13]	Nitrate	9,220
Dalveen	29	29	Brit.	Chilean Nitrate Co.	Tocopilla, Chile.	Azores [13]	Nitrate	7,712
Santa Teresa	29	30	Amer.	Grace Line	S. Francisco, Cal.	Philadelphia, Pa.	Coffee, gen.	1,966
Tivy	30	30	Nor.	Inter. Freighting Corp	Ant'fagasta, Chile	E. coast U.S.A.	Nitrate	7,050
Ansgir	30	30	Ger.	North German Lloyd.	Corral, Chile	Bremen, Ger.	General	8,371
Java Arrow [1]	30	30	Amer.	Stand. Vacuum Tr'sp.	S. Francisco, Cal.	New York, N.Y.	Gas oil	12,863
F. J. Luckenbach	30	30	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	2,806
West Ira	30	30	Amer.	McCormick S.S. Co.	Vancouver, B.C.	Buenos Aires, Arg.	Lumber, gen.	3,196
Storstad	11-28	30	Nor.	Stand. Vacuum Tr'sp.	Los Angeles, Cal.	Istanbul, Turkey.	Gas oil	12,429
Chilore	31	31	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
Bralanta [1]	31	31	Nor.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Lands End, Eng [13]	Gasoline	9,901
Llanarth	30	31	Brit.	Chilean Nitrate Co.	Iquique, Chile	Azores [13]	Nitrate	8,310
Cerigo	31	9	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,021
Yahiko Maru [2]	31	31	Jap.	Mitsui & Co.	Miike, Japan	Charleston, S.C.	Silk, gen.	7,278
Canadian Challenger.	31	3	Brit.	Can. Nat. Steamships	Sydney, Aus'lia.	Halifax, N.S.	General	1,151
Tsuyama Maru	31	31	Jap.	Nippon Yusen Kaisha	Iloilo, P.I.	Baltimore, Md.	Sugar, gen.	7,498

[1] Tanker. [2] Motor ship. [5] Launch. [7] Submarine. [8] Transport. [13] For orders. [14] Sugar, copra, general. [15] Gasoline, kerosene. [16] Lumber, sugar, general. [17] Gasoline, gas oil.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Akaroa	31	1	Brit.	Shaw, Savill & Albion	Wellington, N.Z.	London, Eng.	Frozen, gen.	8,330
Nevadan	31	31	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,520
Antietam [1]	31	1	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Naphtha	9,325
Clam [1, 2]	31	1	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, D.W.I.	Stove oil	9,738
Trelissick	31	1	Brit.	Hain S.S. Co.	Tocopilla, Chile	Azores [13]	Nitrate	7,700
Brion	1	3	Neth.	Royal Neth. S.S. Co.	Guayaquil, Ecuad	Cristobal, C.Z.	General	488
Barbara Cates	1	1	Amer.	Sudden & Christenson	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	6,186
Istmo	1	7	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	416
W. S. Miller [1]	1	1	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Kerosene	10,197
Vinemoor [2]	31	1	Brit.	W. Runciman & Co.	Dairen, China	Cobh, Ireland [13]	Soy beans	7,676
Santa Lucia	1	2	Amer.	Grace Line	Seattle, Wash.	Philadelphia, Pa.	General	3,158
Anna Maersk [2]	1	2	Dan.	Isbrandtsen Moller Co	Manila, P.I.	New York, N.Y.	Sugar, gen.	7,159
San Blas	2	2	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,000
Richmond [12]	...	2	Amer.	U.S. Navy	Balboa, C.Z.	Habana, Cuba	.....	.....
Neuvo Panama	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	117
Sambu [5]	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	23
Oakland [2]	2	3	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	7,255
Fernbrook [2]	2	2	Nor.	Fern Line	Bayang, P.I.	E. coast U.S.A. [15]	Sugar	8,000
Belgium Maru	2	2	Jap.	Kokusai Kisen Kaisha	Mambaguid, P.I.	New York, N.Y.	Sugar	7,554
Fresno City [2]	2	3	Brit.	East Asiatic Co.	Dairen, China	Cobh, Ireland [13]	Soy beans	8,200
Santa Maria [2]	2	3	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	3,526
Lochkatrine [2]	3	3	Brit.	Royal Mail Lines	Vancouver, B.C.	Rotterdam, Neth.	Frozen, gen.	8,814
Columbian	3	3	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	6,800
John Worthington. [1]	3	4	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Portland, Oreg.	Fuel oil	11,700
Utacarbon [1]	3	3	Amer.	Union Oil Co.	Los Angeles, Cal.	Boston, Mass.	Gasoline	9,250
Cellina [2]	3	4	Ital.	Nav. Libera-Triestina	Vancouver, B.C.	Venice, Italy	General	8,850
France Maru	3	4	Jap.	Kokusai Kisen Kaisha	Iloilo, P.I.	E. coast U.S.A. [13]	Sugar	6,995
Steel Trader	3	4	Amer.	Isthmian S.S. Lines	Seattle, Wash.	Baltimore, Md.	General	8,025
Dora [1]	4	4	Amer.	U.S. Tankship Corp.	Honolulu, T.H.	Mobile, Ala.	Molasses	7,895
Ramillies	4	4	Brit.	Canadian Transp. Co	Vancouver, B.C.	Gurston, Eng.	Timber, grain	7,800
Walter A. Luckenbach.	4	4	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	4,705
Tosca [2]	4	4	Nor.	Knut Knutsen	Corral, Chile	Copenhagen, Den	General	7,245
Florence Luckenbach.	4	5	Amer.	Luckenbach Gulf Co.	Seattle, Wash.	Mobile, Ala.	General	4,439
West Notus	4	5	Amer.	McCormick S.S. Co.	Los Angeles, Cal.	Baltimore, Md.	Lumber, gen.	6,495
Nelson Traveler	4	5	Amer.	Nelson S.S. Co.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	5,521
Alkmaar	4	7	Neth.	Royal Neth. S.S. Co.	Talcahuano, Chile	Hamburg, Ger.	General	10,587
H. M. Storey [1]	5	5	Amer.	J. B. Berry Sons, Inc.	Los Angeles, Cal.	Tiverton, R.I.	([14])	14,600
Denmark Maru	5	5	Jap.	Kawasaki K. Kaisha	Kohnan, Japan	Savannah, Ga.	([15])	6,473
Manizales	5	6	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,046
Wimborne	5	6	Brit.	Anglo-Can. Ship. Co.	Grays Har., Wash.	Manchester, Eng.	Lumber, gen.	8,740
Walter Jennings [1]	5	6	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	15,337
K. R. Kingsbury [1]	6	6	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Kerosene	10,177
Fern [1, 2]	6	6	Nor.	N. C. Evensen	LaLibertad, Ecua.	Havre, France	Crude oil	9,307
Rotorua	5	6	Brit.	N.Z. Shipping Co.	Pt. Chalm'rs, N.Z.	London, Eng.	Frozen, gen.	5,524
Marija Petrinovic.	6	7	J-Slav.	Nitrate Corp., Chile.	Iquique, Chile	Azores [13]	Nitrate	8,270
Benavon	6	6	Brit.	Ben Line	Tacoma, Wash.	Leith, Scotland	General	9,306
President McKinley.	7	7	Amer.	Dollar Line	S. Francisco, Cal.	New York, N.Y.	General	4,810
Acajutla	6	...	Brit.	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z.	General	196
Odenwald [2]	7	7	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile	Hamburg, Ger.	General	7,955
Santa Maria [2]	7	9	Amer.	Union Oil Co.	S. Francisco, Cal.	Cristobal, C.Z.	Gasoline	12,100
Tokai Maru [2]	7	8	Jap.	Osaka Shosen Kaisha.	Fusan, Korea	Galveston, Tex.	General	2,829
Standard [2]	8	8	Amer.	Standard Oil Co.	Los Angeles, Cal.	Charleston, S.C.	Fuel oil	17,803
Trecarrell	8	8	Brit.	Hain S.S. Co.	Taltal, Chile	Azores [13]	Nitrate	7,780
Takaoka Maru	8	8	Jap.	Nippon Yusen Kaisha	Manila, P. I.	New York, N.Y.	General	8,170
Trevarrack	8	8	Brit.	Hain S.S. Co.	Tocopilla, Chile	Azores [13]	Nitrate	7,770
Georgian	8	8	Amer.	Williams S.S. Corp.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	5,670
Jutland	8	8	Brit.	Glen & Co.	Vancouver, B.C.	London, Eng.	General	9,220
Somersby	8	9	Brit.	R. Ropner & Co.	Vancouver, B.C.	London, Eng.	Wheat	8,500
Olovsborg	8	8	Fin.	Anglo-Canadian	Vancouver, B.C.	Hull, England	Wheat, lum'r	8,600
Virginia	8	9	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N.Y.	General	5,374
Santa Isabel	9	9	Amer.	Grace Line	Talcahuano, Chile	New York, N.Y.	General	4,055
Pasajero [2]	8	10	Hond.	F. Beltran	Corinto, Nic.	Truxillo, Hond.	([16])	44
Elizabeth Kellogg. [1]	8	9	Amer.	Kellogg S.S. Corp.	Manila, P.I.	New York, N.Y.	Coconut oil	6,660
Langleeford	8	9	Brit.	Dale & Co.	Victoria, B.C.	Liverpool, Eng.	([17])	7,000
Norfolk	9	9	Brit.	Federal Steam Nav. Co.	Wellington, N.Z.	Glasgow, Scot.	Frozen, gen.	8,123
San Gil	9	9	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	900
Grainton	9	9	Brit.	R. Chapman & Sons.	Vancouver, B.C.	London, Eng.	Grain, flour	9,470
Berganger [2]	9	9	Nor.	Interocean Line	Vancouver, B.C.	Rotterdam, Neth.	Grain, gen.	8,245
Tai Mo Shan [6]	5	...	Brit.	R. E. D. Ryder	Hongkong, China	Jamaica, B.W.I.	Ballast	.....
Real [2]	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	44
Edda	9	9	Ital.	Nav. Libera Triestina	Seattle, Wash.	Hamburg, Ger.	General	3,176
Ferncliff [2]	9	9	Nor.	Fern Line	Hinigaran, P.I.	Houston, Tex.	Sugar	7,500
Sambu [5]	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	26

[1] Tanker. [2] Motor ship. [5] Launch. [6] Yacht. [12] Cruiser. [13] For orders. [14] Kerosene, furnace oil. [15] Sulphate of ammonia. [16] Salt, sugar, lard. [17] Lumber, wheat.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
El Aleto [1] [2]	9	9	Brit...	Anglo-Ecuad. Oil Co.	LaLibertad,Ecua.	Philadelphia, Pa.	Crude oil...	10,146
F. H. Hillman [2]	9	10	Amer..	Standard Ship. Co...	S. Francisco, Cal.	Providence, R.I..	Fuel oil.....	14,500
El Sona [2]	9	10	Pan...	A. Valdez.....	Bayano Riv., R.P.	Cristobal, C.Z...	Bananas....	48
Rangitane [2]	9	10	Brit...	N. Z. Shipping Co...	Auckland, N.Z...	London, Eng....	Frozen, gen.	7,285
Paul Luckenbach	10	10	Amer..	Luckenbach Line....	Seattle, Wash...	Boston, Mass....	General.....	4,890
Pacific Grove [2]	10	10	Brit...	Furness, Withy & Co.	Vancouver, B.C..	London, Eng....	General.....	8,347
Southern Sun [1] [2]	10	10	Amer..	Sun Oil Co.....	Los Angeles, Cal.	Chester, Pa.....	Gasoline....	13,839
Susan Maersk....	10	11	Dan...	Antony Gibbs & Co..	Top'bampo, Mex.	Gijon, Spain....	Chick peas..	3,530
Viking Star.....	10	10	Brit...	Blue Star Line.....	GraysHar., Wash.	Newcastle, Eng..	Fruit, gen...	4,987
Pennsylvanian...	10	10	Amer..	Amer.-Hawaiian Line.	Seattle, Wash...	Boston, Mass....	General.....	6,260
D. L. Harper [1] [2]	10	11	Danz..	W. Tankschiff Rhed'i.	Talara, Peru....	Fawley, Eng....	([14])	16,872
Granville [2]	10	11	Pan...	Fred Olsen Line.....	Vancouver, B.C..	Oslo, Norway...	Grain, gen..	8,253
Point Caleta.....	11	11	Amer..	Gulf-Pacific Line.....	Portland, Oreg...	Tampa, Fla.....	Lumber, gen.	6,274
San Clemente....	11	11	Amer..	Quaker Line.....	Portland, Oreg...	Philadelphia, Pa.	Lumber, gen.	6,197
D. G. Scofield [1]...	11	11	Amer..	Standard Ship. Co...	Los Angeles, Cal.	Providence, R.I..	Fuel oil.....	10,829
Vinland [2]	11	12	Nor...	Scand. S. Pacific Line	SanAntonio,Chile	LandsEnd,Eng [13]	General.....	7,193
Kota Radja [2]	11	12	Neth..	Java Bengal Line....	Java.....	Calcutta, India..	General.....	6,184
Arizona.....	12	13	Fr....	French Line.....	Valparaiso, Chile.	Le Havre, France	General.....	7,546
Santa Cecilia.....	12	13	Amer..	Grace Line.....	S. Francisco, Cal.	New York, N.Y.	Coffee, gen..	2,907
W. S. Rheem [1]...	12	13	Amer..	Standard Ship. Co...	Los Angeles, Cal.	Providence, R.I..	Fuel oil.....	14,700
Wind Rush.....	13	13	Amer..	Shepard S.S. Co.....	Seattle, Wash...	Boston, Mass....	Lumber, gen.	8,000
Canada [2]	13	13	Swed..	Johnson Line.....	Vancouver, B.C..	Stockholm, Swed.	General.....	8,409
Danmark [1] [2]	13	13	Dan...	Standard Oil Co.....	Talara, Peru....	Rotterdam, Neth.	Benzine....	14,455
Durazzo.....	13	...	Ger...	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z...	General.....	1,059
Vancouver.....	13	14	Ger...	Hamburg-Amer. Line.	Vancouver, B.C..	Hamburg, Ger...	General.....	8,100
Istmo.....	13	14	Pan...	Elliot Ship. & Land Co.	B'ventura, Col...	Cristobal, C.Z...	Coffee.....	526
Virgilio [2].....	13	15	Ital...	Societa Italia.....	Valparaiso, Chile.	Geno, Italy.....	General.....	3,744
Santa Clara Valley. [2]	13	13	Brit...	Reardon-Smith Line..	Vancouver, B.C..	Liverpool, Eng..	General.....	7,450
Eli [2].....	13	13	Nor...	Louis Dreyfus, Ltd...	Valdi'k, U.S.S.R.	Aarhus, Denmark	Soy beans...	7,480
Manizales.....	...	15	Ger...	North German Lloyd.	Balboa, C.Z.....	Cristobal, C.Z...	Ballast.....	.....
Syra.....	13	14	Ger...	Hamburg-Amer. Line.	Champ'ico, Guat.	Cardenas, Cuba..	Ballast.....	.....
Tuscaloosa City..	14	15	Amer..	Isthmian S.S. Lines..	N.Westm'r, B.C.	Avonmouth, Eng	General.....	7,520
La Brea [1].....	14	14	Amer..	Union Oil Co.....	Los Angeles, Cal.	Baltimore, Md...	Gas oil.....	9,916
Losmar.....	14	14	Amer..	Calmar Line.....	Seattle, Wash...	Baltimore, Md...	Lumber, gen.	4,411
El Libertador [2]...	...	15	Pan...	National Nav. Co....	Darien, R.P.....	Cristobal, C.Z...	Bananas....	28
William Rockefeller. [1]	15	15	Amer..	Standard Ship. Co...	Los Angeles, Cal.	New York, N.Y.	Fuel oil.....	21,480
Wales Maru.....	15	15	Jap...	Kawasaki K. Kaisha.	Shanghai, China.	New York, N.Y.	General.....	2,327
San Francisco....	15	16	Fr....	French Line.....	Astoria, Oreg....	Le Havre, France	General.....	6,675
Langleemere.....	15	15	Brit...	F. Carrick & Co.....	Iquique, Chile...	Azores [13].....	Nitrate.....	6,200
Iwatesan Maru...	15	15	Jap...	Mitsui & Co.....	Yokohama, Jap..	New York, N.Y.	Sugar, gen..	7,171
Badjestan.....	15	15	Brit...	Common Brothers...	Ant'fagasta, Chile	Azores [13].....	Nitrate.....	8,600
Pan Scandia [1] [2]..	15	15	Nor...	Standard Ship. Co...	Talara, Peru....	Havre, France...	Crude oil...	14,180
Chickasaw City..	15	15	Amer..	Isthmian S.S. Lines..	Honolulu, T.H...	Baltimore, Md...	([15])	8,240
Santa Paula.....	15	16	Amer..	Grace Line.....	Seattle, Wash...	New York, N.Y.	General.....	4,038

[1] Tanker. [2] Motor ship. [13] For orders. [14] Gas oil, crude oil. [15] Sugar, pineapples.

Supplement to Tariff No. 11—Alcoholic Liquors

The Panama Canal issued on December 20, 1933, to become effective January 1, 1934, Supplement No. 7 to Tariff No. 11, which annuls subparagraph (*s*) of paragraph 2 in Item 39 thereof.

This supplement operates to reduce Panama Railroad local freight rates on alcoholic liquors, not otherwise indexed by name, by canceling the present ratings on this commodity, which now constitute an exception to the Official Freight Classification, and substituting therefor the Official Ratings provided by Consolidated Freight Classification No. 8, supplements thereto and reissues thereof, issued under authority of the United States Interstate Commerce Commission.

Notices to Mariners

In Panama Canal notice to mariners No. 252, dated January 2, 1934, it was stated that the following changes were made, effective December 29, 1933:

Electric rear center line range target No. 44-A, at north end of Gaillard Cut, was changed to No. 44; electric front center line range target No. 44, at north end of Gaillard Cut, was changed to No. 43; and an electric center line range target No. 44-A located on a mast 39 feet above the ground with a 100-watt lamp, fixed green, was established. This light is between the front and rear range target at the north end of Gaillard Cut.

Panama Canal notice to mariners No. 258, issued January 12, 1934, advises that dredging operations have been discontinued in the vicinity of station 1505 W., at the north end of Bas Obispo Reach. An electric float light, flashing red, was established January 12, 1934, at station 1505-60 W., 150 feet west of center line of Canal.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXVII. Balboa Heights, C.Z., February 15, 1934. No. 7.

Traffic Through the Panama Canal in January 1934

The total vessels of all kinds transiting the Canal during the month of January in the two preceding years and in 1934 are shown in the following tabulation:

Class of vessel	January 1932	January 1933	January 1934		
			Atlantic to Pacific	Pacific to Atlantic	Total
Commercial ocean vessels	377	415	266	234	500
Launches (under 20 tons net)	9	14	8	8	16
Noncommercial vessels:					
U.S. Government	52	26	34	6	40
For repairs	2	.....	1	1	2
Total	440	455	309	249	558

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected, from the commercial traffic transiting the Canal each month for the first seven months of the current fiscal year as compared with the same period in the preceding fiscal year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1932-33	1933-34	1932-33	1933-34	1932-33	1933-34	1932-33	1933-34
July	326	401	1,676,492	2,051,128	1,259,981	1,699,039	$1,468,728.36	$1,732,164.93
August	314	416	1,658,112	2,159,995	1,349,453	1,914,014	1,440,848.87	1,829,754.49
September	353	408	1,868,391	2,096,538	1,347,144	1,797,497	1,598,265.98	1,758,587.41
October	394	467	1,988,133	2,416,200	1,582,261	2,125,927	1,714,779.06	2,036,909.16
November	388	463	2,035,796	2,395,359	1,531,509	1,949,913	1,756,865.84	2,001,692.77
December	431	496	2,080,069	2,617,656	1,621,581	2,191,683	1,781,940.03	2,204,134.64
January	415	500	2,069,218	2,582,131	1,463,503	2,087,292	1,762,808.56	2,160,679.83
Total	2,621	3,151	13,376,211	16,319,007	10,155,432	13,765,365	11,524,236.70	13,723,923.23

[1] Commercial traffic includes all ocean-going vessels paying tolls. Vessels in direct service of the United States, Panamanian, and Colombian Governments, including merchant vessels chartered by these Governments, and vessels transiting solely for repairs, do not pay tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Traffic by Nationality of Vessels for January 1934

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	124	686,304	529,450	Italian	8	52,706	27,219
Danish	16	79,555	65,747	Japanese	28	152,678	164,000
Danzig	6	48,254	49,117	Norwegian	43	203,176	176,832
Dutch	12	62,907	46,104	Panamanian	37	36,141	24,470
Finnish	1	5,259	8,600	Swedish	6	28,446	40,897
French	8	44,072	31,862	United States	182	1,086,484	845,604
German	26	87,976	69,076	Yugoslav	1	4,163	8,270
Greek	1	3,962	.....				
Honduran	1	48	44	Total	500	2,582,131	2,087,292

Traffic by Trade Routes, January 1934

The movement of vessels over trade routes is summarized in the following table. They are classified according to primary origin and ultimate destination of the voyage through the Canal and the cargo listed is the total aboard at time of transit. Cargo may be laden or discharged between the terminal areas indicated, hence in the cargo listed below there may be some which had other origin or destination:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
U.S. intercoastal	74	445,843	129,876	66	408,105	523,556
East coast United States and:						
Canada	4	17,379	4,651	1	5,049	7,722
Central America	4	8,582	.....	4	8,582	4,241
South America	15	78,657	12,960	11	52,308	79,961
Hawaii	2	9,703	3,931	4	20,549	33,187
Australasia	2	15,176	11,759	1	5,241	6,086
Philippines	2	20,779	3,841	12	64,976	89,154
Far East	31	172,894	178,985	13	75,363	82,096
Europe and:						
United States	15	71,343	.....	9	50,738	50,807
Canada	36	206,868	26,128	41	230,904	321,978
Central America	1	1,967	867	3	8,492	15,982
South America	21	111,428	16,369	24	127,923	223,009
Hawaii	.....	.....	.....	1	5,461	8,120
Australasia	7	63,222	17,085	10	76,336	59,021
Far East	1	4,808	8,100	4	18,451	30,361
Canadian intercoastal	3	8,586	8,739	.....	.....	.....
East coast Canada and:						
Australasia	2	10,593	8,780	1	4,415	2,267
Central American intercoastal	1	4,827	9,000	2	2,340	44
South American intercoastal	1	5,513	11,640	.....	.....	.....
East coast South America and:						
United States	1	5,033	4,936	2	9,651	13,881
Canada	2	8,253	3,020	.....	.....	.....
Far East	1	5,821	3,612	.....	.....	.....
Cristobal and:						
United States	1	5,725	.....	1	5,725	12,100
Central America	4	1,568	1,168	12	4,206	1,952
South America	10	7,358	2,187	9	6,439	7,020
Balboa	8	371	35	1	34	20
West Indies and:						
United States	4	16,572	16,455	.....	.....	.....
Canada	1	4,836	.....	.....	.....	.....
Central America	1	4,584	3,838	.....	.....	.....
Far East	2	8,460	13,925	.....	.....	.....
Around the world	4	39,726	6,656	1	5,806	6,184
Foreign vessels in ballast (U.S. intercoastal)	4	16,978	.....	.....	.....	.....
Vessels not engaged in commerce	[1] 1	792	.....	[1] 1	792	.....
Total	266	1,384,245	508,543	234	1,197,886	1,578,749

[1] Yacht.

Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in January 1934, and its destination by major geographical trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	138,777	4,205	181,085	10,537	14,912	349,516
Other North America	2,752	14,867	361	6,246	11,501	35,727
Europe	18,089	7,864	8,100	14,299	17,070	65,422
Miscellaneous	23,815	5,725	16,505	11,682	151	57,878
Total	183,433	32,661	206,051	42,764	43,634	508,543

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	515,105	27,262	138,782	2,502	683,651
Canada	6,685	2,721	231,277	2,631	243,314
Other North America	5,729	2,492	8,189	.....	16,410
South America	76,000	11,476	231,790	31	319,297
Australasia	49,016	454	65,169	.....	114,639
Asia	161,418	1,459	38,561	.....	201,438
Total	813,953	45,864	713,768	5,164	1,578,749

Principal Commodities

Commodities which aggregated 10,000 or more tons either during January 1934, or in the corresponding month in 1933 are listed below:

Commodity	January 1933	January 1934	Commodity	January 1933	January 1934
Atlantic to Pacific			*Pacific to Atlantic*—Continued		
Cotton, raw	52,515	48,527	Cold storage (food products) [1]	21,205	42,968
Iron and steel, manufactures of	37,462	70,548	Copra	6,631	10,923
Oil, mineral	17,075	38,198	Flour	16,186	26,741
Paper	13,644	23,839	Fruit, dried	21,912	24,614
Phosphates	15,503	9,003	Fruit, fresh	27,518	40,122
Scrap metal	18,963	38,384	Lumber	114,996	143,208
Sugar	337	22,809	Metals	23,277	36,525
Sulphur	7,283	20,260	Nitrates	2,238	119,838
Tinplate	5,462	29,064	Oils, mineral	279,672	411,540
			Oils, vegetable	11,954	15,911
Pacific to Atlantic			Ores, principally iron	3,692	53,427
Ammonium compounds	2,340	13,797	Sugar	106,862	167,214
Barley	16,266	13,129	Wheat	262,339	150,659
Beans	10,956	53,621	Wood pulp	8,394	11,111
Canned goods, various	49,405	83,196	Wool	12,772	15,620
Coffee	13,280	12,469			

[1] Does not include fresh fruit.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of January 1934, as reported in the cargo declarations, showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise, but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Agricultural implements	1,021	.....	1,515	37
Alfalfa (classify as hay)	.....	262	.....	830
Alfalfa meal	.....	528	.....	678
Ammonium compounds	100	12	1,356	13,797
Animal foods [1]	14	102	14	102
Apparel, wearing (hats, shoes, clothing, etc.)	18	2	18	2
Asbestos	58	.....	2,211	.....
Asphalt and tar	567	66	3,345	1,876
Automobiles (and autotrucks)	754	21	5,618	69
Automobile parts and accessories	538	208	5,400	208
Bags and bagging, textile	.....	81	613	81
Barks, miscellaneous	.....	36	6	250
Barley	.....	50	50	13,129
Beans, edible, dry	135	8,584	408	15,060
Beverages, nonalcoholic	13	.....	13	.....
Blood and tankage	.....	.....	.....	23
Bones and bone meal	18	.....	2,278	.....
Borax	.....	586	.....	7,674
Bran and pollards	116	172	581	4,362
Camphor, crude	.....	5	.....	316
Canned and preserved goods:				
Fish	60	8,356	337	13,737
Fruit	927	22,311	1,102	48,908
Meat	.....	216	119	258
Milk	198	75	320	108
Soup	1,457	.....	1,462	.....
Vegetables	951	3,394	953	3,442
Miscellaneous and unclassified	1,464	14,651	2,189	16,743
Carbon black	208	1	1,007	1
Cement	181	.....	5,894	.....

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Chalk	.....	.....	481	.....
Charcoal	103	.....	103	.....
Chemicals [1]	1,983	673	4,643	769
Clay, china and fire	150	300	1,020	300
Clay, filtering	.....	.....	5	.....
Clorox	.....	277	.....	278
Coal	1,826	.....	1,955	.....
Cocoa and cacao beans	.....	318	221	2,046
Coconuts and products [1]	37	410	70	946
Coffee	237	57	5,019	12,469
Coke	.....	.....	1,298	.....
Cold storage and refrigerated products:				
Bananas	.....	.....	.....	5,765
Dairy products	108	25	348	16,533
Eggs	.....	30	278	4,138
Fish	14	517	40	1,297
Fresh fruits [1]	15	2,060	153	40,122
Lard	100	.....	159	155
Meats	.....	145	18	7,651
Poultry	.....	14	8	5,933
Vegetables	.....	765	28	865
Other and unclassified	278	294	369	631
Confectionery	1,079	.....	1,083	.....
Copra	.....	.....	.....	10,923
Corn	2,677	.....	4,234	3,230
Cotton, raw	211	2,516	48,527	4,611
Creosote	3,953	.....	3,969	.....
Drugs and medicines	2,028	.....	2,089	.....
Dyes	84	.....	859	.....
Earthenware	.....	115	33	115
Electrical apparatus and appliances	56	.....	58	.....
Explosives	.....	.....	502	.....
Extract, quebracho	.....	.....	674	.....
Fertilizers [1]	291	75	5,607	2,556
Fish, salted or dry cured	17	.....	17	40
Fish meal	.....	.....	.....	1,359
Floor coverings	.....	50	.....	50
Flour	216	20,560	771	26,741
Fruit, dried	109	13,215	526	24,614
Furniture and household goods	133	244	154	244
Gallnuts	.....	19	.....	55
General	16,042	7,710	35,921	18,429
Glass and glassware	2,856	154	4,446	278
Glue	63	206	63	226
Groceries	.....	.....	65	.....
Guano	.....	120	.....	120
Gums	1	142	1	205
Hair, all kinds	36	61	36	64
Hay	.....	1,375	.....	2,002
Hemp, unmanufactured	23	234	26	2,002
Honey	.....	154	.....	189
Hops	.....	.....	.....	6
Horns and hoofs	70	.....	208	40
Infusorial earth	336	543	371	937
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	36,474	1,492	70,548	1,813
Ivory nuts	.....	.....	553	3,166
Jute, unmanufactured	37	.....	620	79
Lime	20	.....	20	.....
Liquors	554	1,978	2,093	1,997
Lumber (including manufactured mill products)	691	50,872	931	143,208
Machinery (other than electrical)	2,011	153	6,529	255
Malt	.....	.....	135	.....
Manufactured goods [1]	1,179	692	6,895	1,333
Marble and granite	125	.....	213	.....
Matches	25	141	31	245
Metals:				
Copper	70	2,737	452	18,412
Gold and silver	.....	16	3	41
Iron	225	.....	8,615	30
Lead	227	614	1,318	11,078
Scrap	316	85	38,384	343
Tin	49	92	179	507
Zinc	.....	1,412	241	6,000
Other and unclassified	16	16	159	114
Milk, powdered	99	584	115	1,587
Molasses and syrups	196	.....	7,792	7,895
Nitrates	2,940	.....	9,237	119,838
Nuts, edible (including meats)	320	818	350	1,465
Oats	231	1,643	239	8,427

[1] Except as otherwise classified.

Commodity	United States Intercoastal		Total for all trade routes including U.S. Intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Oils, mineral:				
Crude	45	10,305	45	91,864
Gas and fuel	30	184,723	15,508	209,642
Gasoline, benzine and naphtha	.....	40,965	9,368	55,420
Kerosene	.....	53,598	236	53,783
Lubricating and greases	5,812	643	13,277	831
Other and unclassified	20	.....	475	.....
Oils, vegetable:				
Coconut	.....	.....	.....	12,320
Cottonseed	.....	.....	5	.....
Linseed	7	.....	7	.....
Rapeseed	18	30	364	633
Wood	.....	.....	.....	778
Other and unclassified	374	32	535	2,180
Oil, fish	.....	.....	60	1,125
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	.....	.....	10	3,506
Oilseed cake and meal	.....	.....	.....	3,655
Ores:				
Antimony	.....	.....	.....	120
Copper	.....	.....	826	6,356
Gold and silver	.....	.....	1,050	3,895
Iron	614	.....	868	21,652
Lead	.....	.....	.....	340
Magnesite	.....	3,272	.....	3,272
Manganese	.....	.....	20	6,101
Tin	.....	.....	.....	1,475
Zinc	.....	.....	33	5,841
Other and unclassified	23	23	98	4,375
Paints and varnishes	558	172	745	204
Paper and paper products [1]	4,204	14,049	21,852	19,607
Paper, scrap	17	.....	281	.....
Peas, dry	.....	20	.....	3,922
Phosphates	378	4	9,003	5
Plaster	.....	.....	14	.....
Porcelainware	144	136	198	2,225
Potash	.....	2,521	908	2,521
Rags and waste	3	137	186	255
Railroad material	60	.....	1,448	.....
Rice	645	.....	1,371	3,829
Rope and twine	193	28	207	94
Rosin	795	.....	3,587	.....
Rubber:				
Manufactured	557	91	727	138
Raw	25	74	42	296
Scrap	.....	150	296	237
Salt	307	.....	9,983	40
Sand	.....	.....	507	.....
Seeds (except oilseeds)	36	1,023	660	1,859
Sewer pipe (concrete and terra cotta)	.....	46	.....	46
Shells, oyster	603	.....	603	151
Silk, raw	.....	372	67	1,307
Skins and hides	48	1,949	68	4,213
Soaps and products	1,323	374	1,512	425
Soda and sodium compounds	1,193	.....	1,888	125
Soy beans	49	.....	49	38,561
Sugar	.....	11,932	22,809	167,214
Sulphur	16,222	.....	20,260	110
Talc	27	183	27	183
Tallow	.....	10	45	1,418
Tea	13	15	38	1,133
Textiles [2]	2,455	603	6,293	1,731
Tinplate	11,236	.....	29,064	.....
Tobacco and manufactures	555	75	6,721	174
Turpentine	64	.....	285	.....
Vegetables, dry [1]	.....	118	.....	764
Wall board	.....	.....	42	174
Wax, parafin	152	22	670	22
Wheat	.....	6,978	3	150,659
Wines	128	997	879	1,865
Wood pulp	45	.....	1,987	.....
Wool	24	1,182	1,516	15,620
Total, January, 1934	138,737	513,292	508,543	1,578,749
Total, January, 1933	106,175	306,557	349,560	1,113,943
Total, January, 1932	152,287	315,782	474,356	1,119,229

[1] Except as otherwise classified. [2] Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during January 1934, classified according to trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	30	185,120	.....	24	194,405	289,551
United States and South America	3	23,719	.....	2	9,858	19,884
United States and West Indies	1	5,763	7,587	.....	.....	.....
United States and Cristobal	1	5,725	.....	1	5,725	12,100
United States and Europe	5	29,634	.....	.....	.....	.....
United States and Hawaii	.....	.....	.....	1	4,412	7,895
United States and Philippines	.....	.....	.....	1	3,761	6,660
Central American intercoastal	1	4,827	9,000	.....	.....	.....
West Indies and Central America	1	4,584	3,838	.....	.....	.....
Europe and Central America	.....	.....	.....	1	4,698	9,307
Europe and South America	3	22,391	.....	5	39,130	77,752
Total	45	281,763	20,425	35	216,989	423,149

Comparison of Canal Traffic in January 1934 with January Traffic in Previous Years

Calendar year	Month of January			Fiscal year	Average per month for fiscal year		
	Commercial transits	Panama Canal net tonnage	Tons of cargo		Commercial transits	Panama Canal net tonnage	Tons of cargo
1915	[1] 96	337,249	426,482	1915	[2] 102	361,197	465,567
1916	2	600	1,008	1916	63	199,687	257,843
1917	170	539,613	640,177	1917	150	483,213	588,213
1918	153	495,127	553,507	1918	172	547,839	627,669
1919	170	499,815	530,816	1919	169	510,416	576,385
1920	238	765,533	894,628	1920	206	712,170	781,208
1921	279	1,094,323	1,177,053	1921	241	951,323	966,601
1922	210	846,516	807,298	1922	228	951,455	907,075
1923	352	1,610,692	1,591,932	1923	331	1,550,482	1,630,656
1924	476	2,400,040	2,427,332	1924	436	2,179,073	2,249,559
1925	401	1,960,015	1,907,469	1925	389	1,904,596	1,996,570
1926	479	2,300,187	2,346,643	1926	433	2,064,549	2,169,787
1927	443	2,121,631	2,241,765	1927	456	2,185,651	2,312,351
1928	540	2,422,770	2,372,061	1928	538	2,454,886	2,469,226
1929	603	2,771,280	2,858,835	1929	534	2,468,483	2,555,250
1930	531	2,601,628	2,611,632	1930	515	2,498,385	2,502,519
1931	476	2,380,871	2,106,937	1931	461	2,316,012	2,090,233
1932	377	2,022,275	1,593,585	1932	376	1,968,785	1,650,667
1933	415	2,069,218	1,463,503	1933	450	2,331,287	1,966,481
1934	500	2,582,131	2,087,292	([3])	375	1,901,823	1,514,811

[1] Canal opened August 15 ,1914. [2] Average for 10½ months. [3] Average for 7 months fiscal year.

Terminal Activities

Ships repaired during the month of January 1934 numbered 52, including 12 which were drydocked: Fuel oil in the quantity of 401,762 barrels was delivered as bunkers to 134 commercial vessels. Bunker coal amounting to 4,413 tons was delivered to 16 vessels. Sales of commissary supplies to ships amounted to $34,830.27.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving ..... tons	10,578	15,175	25,753
Local cargo shipped ..... tons	4,564	543	5,107
Cargo received for transshipment ..... tons	29,408	1,661	31,069
Cargo transshipped ..... tons	28,232	1,190	29,422
"Canal Zone for Orders" cargo:			
Number of receipts issued	11	6	17
Number of releases issued	64	21	85
Tons received	37	21	58
Tons withdrawn	77	15	92

All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
Ships entering						
All vessels, including those transiting Canal..	560	3,646,341	2,195,319	518	3,272,605	1,970,433
Vessels entering port but not transiting Canal.	64	416,981	236,581	20	77,486	42,493
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	113	766,260	453,654	103	691,706	426,474
Ships clearing						
All vessels, including those transiting Canal..	550	3,646,367	2,196,687	513	3,225,256	1,946,752
Vessels clearing port but not transiting Canal.	63	458,780	262,588	18	66,019	35,582
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	112	753,876	447,387	102	685,922	422,961

Cargo Discharged and Laden in Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, January 15, 1934, to midnight, February 15, 1934. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Santa Paula, 0, 86; San Francisco, 0, 184; Delftdijk, 0, 85; Endurance, 0, 17; Cefalu, 101, 301; San Marcus, 58, 0; Sambu, 17, 9; Santa Barbara, 893, 24; Bennekom, 0, 201; Absaroka, 203, 16; Santa Maria, 132, 77; Buenaventura, 624, 545; Peten, 323, 108¾; Santa Teresa, 120, 400; Zacapa, 679, 346; Colombia, 70, ½; Uyo Maru, 157, 42; Fella, 39, 0; Tacoma, 222, 28½; Ulua, 476, 59¾; Pastores, 61, 463; Abana, 6, 113; La Paz, 30, 295; Durazzo, 0, 242; Cali, 1,222, 228; Salvador, 221, 615; Katsuragi Maru, 340, 0; Kwansai Maru, 688, 42; President Pierce, 298, 0; Aveyron, 0, 725; Peten, 22, 106¾; Velma Lykes, 256, 202; Justin, 0, 623; Alaska, 16, 223; Tatsuno Maru, 29, 0; Benjamin Franklin, 0, 160; San Gil, 31, 0; Santa Rita, 560, 0; Contessa, 136, 501; Real, 50, 36; Dakarian, 283, 50; Drechtidijk, 130, 1½; San Vincente, 86, 0; Porta, 61, 573; Ancon, 1,111, 528; Tai Ping Yang, 526, 0; Seattle, 28, 255; Istmo, 559, 112; Veragua, 195, 70; Metapan, 701, 262; Santa Ana, 822, 58; Ariguani, 15, 0; Santa Isabel, 292, 406; Calamares, 365, 236; Santa Lucia, 332, 239; William Green, 6,488, 0; Colombia, 91, 992; Colombia, ½, 576; Orazio, 114, 3; Cerigo, 1,248, 50; Cordillera, 260, 44; Veragua, 23, 262; San Jose, 117, 0; R. L. Hustler, 2, 0; Havel, 25, 306; Santa Rosa, 142, 41; Canadian Highlander, 7, 679; Lochmonar, 0, 135; Cefalu, 191, 273; Roland, 119, 77; Knute Nelson, 0, 40; Tokai Maru, 0, 251; Santa Clara, 898, 0; Baarn, 786, 0; Santa Barbara, 154, 515; Guayaquil, 719, 594; President Monroe, 2, 0; Dorelian, 166, 95; Santa Cecilia, 38, 688; Sixaola, 924, 543; Quirigua, 303, 120; Ch. N. Kahan, 8,000, 0; Margaret Johnson, 0, 217; Endurance, 0, 22; Toloa, 246, 355; Haiti, 208½, 704; India, 4½, 0; Mantilla, 4,805, 0; Baarn, 1, 171; Istmo, 591, 133; Niederwald, 24, 418; Minden, 93, 107; Cerigo, 615, 299; Acajutla, 673, 295; Schwaben, 54, 21; San Rafael, 206, 0; President Taft, 183, 100; Sidney M. Hauptman, 0, 80; Manizales, 1,031, 273; Quirigua, 27, 265; Attika, 60, 0; Barneveld, 4, 103; Kreta, 3½, 109; Nictheroy, 4½, 0; Laurits Swenson, 0, 518; Alabama, 470, 38; Contessa, 95, 673; Venezuela, 53, 9; Varu, 49, 63; Tillie Lykes, 192, 77; West Camargo, 67, 0; Cordillera, 30, 1,616; Cristobal, 1,690, 610; Gertrude Maersk, 3, 0; Dinteldijk, 203, 35; San Francisco, 9, 100; E. J. Bullock, 9,857, 0; Charles Nelson, 145, 0; Santa Olivia, 747, 0; Peten, 323, 120¼; Sesostris, 188, 96; Loreto, 8, 43; Santa Rita, 102, 463; Santa Marta, 711, 496; Washington, 39, 30; Floride, 11, 120; Santa Paula, 284, 129; Pastores, 80¼, 331; Santa Elisa, 1,143, 167; Ulua, 472, 124; Nankai Maru, 666, 262; Agira, 373, 0; Durazzo, 1,150, 0; Venezuela, 0, 1,235; Flandre, 55, 0; Abraham Lincoln, 256, 0; Istmo, 600, 115; Peten, 72, 689; Anna Maersk, 0, 15; Santa Elena, 197, 19; Elizabeth Kellogg, 7,163, 0; Gregalia, 0, 69; Canadian Constructor, 82, 1; Orbita, 316, 5; Marques de Comillas, 72, 26; Flandre, 0, 275½; Bordeaux Maru, 156, 0; Cefalu, 218, 467; Feltre, 25, 0; Rialto, 0, 384; Narenta, 0, 238; Davisian, 140, 0; Magallanes, 3, 555; Bodegraven, 707, 3; Wisconsin, 25, 361; Portland, 93, 440; Komaki Maru, 296½, 0; Este, 16, 351; Buenaventura, 1,111, 0; President Van Buren, 2, 0; Santa Maria, 679, 0; Santa Clara, 92, 0; Santa Ana, 47, 0; Vogtland, 59, 0.1;

BALBOA

New Orleans, 185, 0; Emergency Aid, 3,171, 0; Santa Barbara, 2, 0; Iocoma, 1,656, 0; Marie Bakke, 42, 0; Absaroka, 162, 0; Santa Teresa, 38, 0; Santa Maria, 79, 113; Salvador, 3, 0; Cali, 1, 0; Chiriqui, 298, 5; Santa Catalina, 707, 0; Tai Ping Yang, 107, 0; U.S.A.T. Republic, 400, 5; U.S.A.T. Ludington, 423, 40; Santa Ana, 19, 431; Point Bonita, 463, 0; U.S.S. Nitro, 1, 0; Point Arena, 4,750, 0; Cali, 0, 102; Antigua, 444, 84; Santa Lucia, 55, 0; Santa Rosa, 76, 1; Heiyo Maru, 41, 0; Vardaas, 10,840, 0; Knute Nelson, 989, 0; Santa Barbara, 137, 230; Santa Cecilia, 39, 13; Santa Catalina, 715, 0; Talamanca, 242, 17; San Mateo, 1, 0; Rangitata, 41, 0; Gertrude Maersk, 6, 0; Lycia, 122, 0; Loreto, 0, ½; Pennsylvania, 66, 3; Santa Elisa, 38, 138; Point Sur, 2,283, 0; Santa Rita, 76, 54; U.S.S. Chaumont, 10, 0; Durazzo, 4, 0; Santa Paula, 85, 3; Chiriqui, 286, 30; Abraham Lincoln, 914, 0; Santa Elena, 46, 72; San Gil, ¼, 0; Wichita, 252, 0; Santa Maria, 52, 2; Point Ancha, 1,340, 0; U.S.S. Ramapo, 9, 0.

Passengers

Ocean ship passengers disembarking at Cristobal numbered 1,454; embarking 987; at Balboa 478 disembarking and 731 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 4,357; from the Pacific to the Atlantic 1,485. Aircraft to the number of 43 entered Cristobal and 89 passengers disembarked; 40 cleared with 91 passengers aboard. One aircraft entered Balboa disembarking 2 passengers and cleared with 3 transit passengers aboard.

Movements of Ocean Vessels Through the Panama Canal

From midnight January 15, 1934, to midnight February 15, 1934

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Franconia	16	16	Brit.	Cunard Line	New York, N.Y.	Round the world.	Psgrs. only	.....
Hanley	16	16	Amer.	Interocean S.S. Corp.	Boston, Mass.	Everett, Wash.	Steel, gen.	857
Helga	16	16	Dan.	J. Lauritzen	Cardiff, Eng.	Chile	Ballast	.....
Nokomis [2]	14	..	Amer.	U.S. Navy	Norfolk, Va.	Balboa, C.Z.	Ballast	.....
John D. Archbold [1]	16	16	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
J. L. Luckenbach	16	16	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Ballast	.....
Langleecrag	16	16	Brit.	F. Carrick & Co.	Pt. Royal, Jam.	Vancouver, B.C.	Ballast	.....
Kafiristan	16	16	Brit.	Nitrate Corporation.	S. Shields, Eng.	Chile	Ballast	.....
Dakotan	16	16	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	2,081
San Marcos	16	17	Amer.	Quaker S.S. Line	Albany, N.Y.	Portland, Oreg.	(15)	2,768
Gulfpenn [1]	16	17	Amer.	Gulf Refining Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Baru [2]	16	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Panama, R.P.	Ballast	.....
Sally Maersk [2]	16	17	Dan.	A. P. Moller	(10)	S. Francisco, Cal.	Sugar	4,868
Stanford [2]	17	17	Nor.	J. B. Stang	Mobile, Ala.	Yokohama, Jap.	Scrap steel	8,003
Ensley City	17	17	Amer.	Isthmian S.S. Lines	New York, N.Y.	Seattle, Wash.	Steel, gen.	8,226
Pacific Shipper [2]	17	17	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B.C.	General	264
Chilore	17	17	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz G'de, Chile.	Ballast	.....
City of Brisbane	17	18	Brit.	Ellerman Lines	Tampico, Mexico	Adelaide, Aus'lia.	General	7,053
Ionic	17	18	Brit.	Shaw, Savill & Albion	London, Eng.	Wellington, N.Z.	General	5,366
Deebank	17	18	Brit.	Mersey Paper Co.	Liverpool, Eng.	Sydney, Aus'lia.	(17)	4,657
Mercury Sun [1] [2]	17	17	Amer.	Gulf Refining Co.	Chester, Pa.	S. Francisco, Cal.	Ballast	.....
Sambu [3]	16	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	David, R.P.	Kerosene	77
Bennekom	17	18	Neth.	Royal Neth. S.S. Co.	Hamburg, Ger.	Corral, Chile	General	1,173
Hannibal [13]	16	..	Amer.	U.S. Navy	Norfolk, Va.	Balboa, C.Z.	Ballast	.....
Edward Luckenbach.	18	18	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	1,750
Lundby [2]	18	18	Dan.	A/S Motortramp.	London, Eng.	Los Angeles, Cal.	Ballast	.....
Taijin Maru [2]	17	18	Jap.	Ocean Transport Co.	Savannah, Ga.	Vancouver, B.C.	Ballast	.....
Valverde	17	18	Ital.	Soc. Italiana de Nav.	Philadelphia, Pa.	Ant'fagasta, Chile	Ballast	.....
Queen City	18	18	Brit.	States Marine Corp.	Tampa, Fla.	Osaka, Japan	(18)	7,700
Trematon	18	19	Brit.	Hain Steamship Co.	Nuevitas, Cuba.	Hongkong, China	Sugar	7,100
No. 223 [14]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
No. 353 [14]	..	..	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Brandanger [2]	18	19	Nor.	Westfal, Larsen & Co.	Rosario, Arg.	Vancouver, B.C.	General	3,020
Marie Bakke [2]	18	19	Nor.	Knut Knutsen O.A.S.	Goth'burg, Swed.	Valparaiso, Chile.	General	2,191
President Johnson.	19	19	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	Mach'y, gen.	3,046
Quebec City	19	19	Brit.	Reardon-Smith Line.	Cardiff, Eng.	Vancouver, B.C.	Ballast	.....
Tijuca [1] [2]	19	19	Nor.	Wilh. Wilhelmsen	Swansea, Eng.	Los Angeles, Cal.	Ballast	.....
Sorvard [2]	17	19	Nor.	Longls.Mach.&Eq.Co	Jacksonville, Fla.	Moji, Japan	Scrap iron	6,531
Kinai Maru [2]	19	19	Jap.	Osaka Shosen Kaisha	Savannah, Ga.	Kobe, Japan	Gen, cotton	5,908
Ionic Star	19	19	Brit.	Blue Star Line	Newcastle, Eng.	Vancouver, B.C.	Ballast	.....
Absaroka	18	20	Amer.	McCormick S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	(19)	2,680
Santa Maria [2]	18	20	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	1,744
C. A. Canfield [2]	19	19	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Santa Teresa	19	20	Amer.	Panama Mail S.S. Co.	Philadelphia, Pa.	S. Francisco, Cal.	General	2,922
Sambu [3]	18	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
J-10 [5]	..	..	Amer.	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
No. 101 [5]	..	..	Amer.	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Tacoma	19	20	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Portland, Oreg.	General	4,855
Reynolds	19	20	Brit.	Bolton S.S. Co.	Baltimore, Md.	Taltal, Chile	Ballast	.....
Fella [2]	19	20	Ital.	Nav. Libera Triestina	Venice, Italy	Vancouver, B.C.	General	1,815
Robin Goodfellow	20	20	Amer.	Luckenbach Gulf Co.	Houston, Tex.	Tacoma, Wash.	(20)	4,015
Innesmoor [2]	20	20	Brit.	J. J. Moore & Co.	Marseilles, France	Vancouver, B.C.	Ballast	.....
San Gil	20	20	Pan.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	.....
LaPlata Maru [2]	20	20	Jap.	Osaka Shosen Kaisha	Montevideo, Uru.	Kobe, Japan	General	3,612
Salinas [1]	17	20	Amer.	U.S. Navy	Cristobal, C.Z.	Los Angeles, Cal.	Ballast	.....
W. S. Miller [1]	20	20	Amer.	Shell Oil Co.	Fall River, Mass.	S. Francisco, Cal.	Ballast	.....
Athelmonarch [1] [2]	20	20	Brit.	Nisho Co.	Hull, England	S.LuisObispo,Cal.	Ballast	.....
La Paz [2]	20	21	Brit.	Pacific Steam Nav. Co	Hull, England	Valparaiso, Chile.	General	2,585
Arizonan	20	21	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	1,582
Oakmar	20	21	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	8,243
Durazzo	13	21	Ger.	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil, Ecua.	General	242
Hororata	21	21	Brit.	N.Z. Shipping Co.	London, Eng.	N.Plymouth,N.Z.	General	3,247
Brynje [2]	21	21	Nor.	Canadian Transp. Co.	St. Pierre Mique'n	N. West'r, B.C.	Whisky	707
Stensby [2]	21	21	Dan.	Canadian Transp. Co.	Pto. Colombia	Vancouver, B.C.	Ballast	.....
Clarissa Radcliffe.	21	22	Brit.	Nitrate Corporation.	Baltimore, Md.	Arica, Chile	Ballast	.....
Chas. H. Cramp	22	22	Amer.	Argonaut S.S. Line	New York, N.Y.	Seattle, Wash.	(21)	1,686
Siljestad [2]	22	22	Nor.	Fern Line	Houston, Tex.	Japan	Gen., cotton.	5,618
Corsair [6]	22	22	Amer.	J. P. Morgan	New York, N.Y.	Galapagos Is.	Ballast	.....
Willkeno	22	22	Amer.	Williams S.S. Corp.	Baltimore, Md.	Seattle, Wash.	General	951
Utacarbon [2]	22	23	Amer.	Union Oil Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Sveajarl [2]	22	23	Swed.	Knutsen Line	Goth'burg, Swed.	Los Angeles, Cal.	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [6] Yacht. [13] Survey ship. [14] Sub-chaser. [15] General, coal, lubricating oil. [16] La Romana, Santo Domingo. [17] Newsprint paper. [18] Cotton, phosphate. [19] Iron, steel, general. [20] Steel, corn, general. [21] Lubricating oil, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
J. M. Danziger [1]	22	23	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
New Westminster City.	23	23	Brit.	Reardon Smith Line.	Galveston, Tex.	Kobe, Japan	([16])	7,895
Hakubasan Maru [2]	23	23	Jap.	Mitsui Bussan Kaisha	Hopewell, N.J.	Moji, Japan	Cotton, gen.	6,880
Niel Maersk [2]	23	23	Dan.	Isbrandtsen Moller	Boston, Mass.	Iloilo, P.I.	General	6,980
Missourian [2]	23	23	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	1,804
Alaska	23	23	Fr.	French Line	Havre, France	Valparaiso, Chile.	Nitrates, gen.	913
President Herrenschmidt. [1] [2]	23	24	Nor.	Pechelbronn	Antwerp, Belg.	Talara, Peru	Ballast	.....
Manatawny	23	24	Amer.	The Barrett Co.	New York, N.Y.	S. Francisco, Cal.	Creosote oil.	3,953
Knoxville City	24	24	Amer.	Isthmian S.S. Lines.	Baltimore, Md.	Kahului, T.H.	General	3,931
Janeta	24	24	Brit.	Maclay & McIntyre.	Greenock, Eng.	Vancouver, B.C.	Ballast	.....
Steel Worker	24	24	Amer.	Isthmian S.S. Lines.	Portland, Me.	Seattle, Wash.	General	3,712
Albion Star	24	24	Brit.	Blue Star Line	Tyne, England	Seattle, Wash.	Ballast	.....
F. W. Abrams [1]	24	24	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Helen Whittier	24	24	Amer.	Arrow Line	New York, N.Y.	Seattle, Wash.	General	2,000
Standard [1]	24	24	Amer.	Standard Oil Co.	Charleston, S.C.	Los Angeles, Cal.	Ballast	.....
El Sona [3]	23	24	Pan.	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Sambu [3]	23	24	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Real [3]	23	24	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	35
San Vincente	24	25	Amer.	Quaker Line	New York, N.Y.	Seattle, Wash.	General	2,054
President McKinley.	25	26	Amer.	American Mail Line.	New York, N.Y.	Manila, P.I.	([17])	1,349
Dorothy Luckenbach.	24	25	Amer.	Luckenbach Line	Providence, R.I.	Seattle, Wash.	General	2,569
Republic [8]	24	26	Amer.	U.S. Army	Brooklyn, N.Y.	Honolulu, T.H.	General	1,610
H. M. Storey [1]	24	25	Amer.	James B. Berry Sons.	Tiverton, R.I.	Los Angeles, Cal.	Ballast	.....
Charles R. McCormick.	24	25	Amer.	McCormick S.S. Co.	Norfolk, Va.	Los Angeles, Cal.	Steel, gen.	2,667
Herman F. Whion.	25	25	Amer.	Texas Gulf Sul. Co.	Galveston, Tex.	Bellingham, Wash	Crude sul'r.	7,350
Thurland Castle [2]	25	25	Brit.	Barber Line	New York, N.Y.	Kobe, Japan	([18])	4,789
Nordfarer [2]	25	25	Dan.	Anglo-Can. Ship. Co.	Glasgow, Scot.	Vancouver, B.C.	General	391
Porta	24	25	Ger.	North German Lloyd.	Bremen, Ger.	SanAntonio, Chile	General	3,261
Halsey [1]	25	26	Amer.	Shell Oil Co.	Sewaren, N.J.	Los Angeles, Cal.	Ballast	.....
Stella Polaris [2]	26	27	Nor.	([15])	New York, N.Y.	Monaco	([19])	.....
Virginia	26	26	Amer.	Panama-Pacific Line.	New York, N.Y.	S. Francisco, Cal.	General	2,298
Nitro [1] [3]	25	28	Amer.	U.S. Navy	Norfolk, Va.	Los Angeles, Cal.	Navy stores.	3,218
Drechtdyk [2]	23	26	Neth.	N. Pacific Coast Line.	Rotterdam, Neth.	Portland, Oreg.	General	685
Belnor [2]	26	26	Nor.	Christen Smith	Newport, Eng.	Portland, Oreg.	Ballast	.....
California Express. [2]	26	26	Nor.	Fruit Express Line	Goth'burg, Swed.	Seattle, Wash.	Ballast	.....
Silvercypress [2]	26	26	Brit.	Kerr S.S. Co.	Boston, Mass.	Hongkong, China	General	1,921
City of Bagdad	26	26	Brit.	Ellerman-Bucknall	New York, N.Y.	Shanghai, China.	General	3,648
Istmo	25	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	200
San Blas	27	27	Pan.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	.....
Glenbank [2]	26	27	Brit.	Andrew Weir & Co.	Liverpool, Eng.	Los Angeles, Cal.	Ballast	.....
Rangitiki [2]	27	28	Brit.	N.Z. Shipping Co.	London, Eng.	Wellington, N.Z.	General	2,417
Salvador	20	27	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	550
San Mateo	27	27	Amer.	United Fruit Co.	Brooklyn, N.Y.	Guayaquil, Ecuad	Ballast	.....
Chester Sun [1] [2]	27	27	Amer.	Sun Oil Co.	Perth Amboy, N.J	Los Angeles, Cal.	Ballast	.....
Clearton	27	28	Brit.	R. Chapman & Son.	Tyne, England	Vancouver, B.C.	Ballast	.....
Benny Havensoh [5]	...	...	Amer.	Robt. F. Fulton	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Santa Lucia	27	28	Amer.	Panama Mail S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	Coffee, gen.	2,989
Orazio [2]	27	28	Ital.	Italian Line	Genoa, Italy	Valparaiso, Chile.	General	1,108
William Green [1]	27	28	Amer.	Standard Ship. Co.	Aruba, D.W.I.	Los Angeles, Cal.	Fuel oil	3,838
Point Chico	27	28	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	2,637
Oregonian	28	28	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	1,708
Bonzo [1] [2]	28	28	Nor.	Amer. Com. Al'hol Co.	Guayabal, Cuba	S. Francisco, Cal.	Molasses	7,587
Borgestad [2]	28	28	Nor.	Canadian Transp. Co.	Botwood, New'd.	Tacoma, Wash.	General	5,727
Cali	20	29	Ger.	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	228
Port Adelaide	28	28	Brit.	Com'lth & Dom. Line	Philadelphia, Pa.	Fremantle, Au'lia	General	4,721
Point Lobos	28	28	Amer.	Swayne & Hoyt	Galveston, Tex.	Vancouver, B.C.	Sulphur, gen.	4,651
Baru [2]	27	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Toba Maru	28	28	Jap.	Nippon Yusen Kaisha	New York, N.Y.	Kobe, Japan	General	8,200
Santa Isabel	27	28	Amer.	Grace Line	New York, N.Y.	SanAntonio, Chile	General	2,624
Sambu [3]	27	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Retriever [14]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Lubrico [1]	28	29	Amer.	Standard Oil Co.	Tampico, Mexico	S. Francisco, Cal.	Pet. products	9,000
Cities Service Ohio. [1] [2]	28	29	Amer.	Cities Ser. Trans. Co.	Tampa, Fla.	S. Francisco, Cal.	Ballast	.....
Cerigo	27	29	Ger.	Hamburg-Amer. Line.	Cristobal, C.Z.	B'ventura, Col.	General	50
San Jose	29	29	Fr.	French Line	Havre, France	Vancouver, B.C.	General	2,288
Nyanza	29	29	Brit.	Maclay & McIntyre.	Barry, Eng.	Ant'fagasta, Chile	Ballast	.....
Kishacoquillas	29	30	Amer.	U.S. Tankship Corp.	New Orleans, La.	Honolulu, T.H.	Ballast	.....
J-10 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [8] Transport. [13] Auxiliary.
[14] Crane. [15] Det. Bergenske Dampskibsselskab. [16] Cotton, scrap iron, etc. [17] General, machinery, glass.
[18] General, scrap iron. [19] Passengers.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
El Sona [3]	28	29	Pan.	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Libertador [3]	28	29	Pan.	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Fernbrook [2]	30	30	Nor.	Fern Line	Mobile, Ala.	Moji, Japan	Scrap iron	972
F. H. Hillman [5]	30	30	Amer.	Standard Oil Co.	Providence, R.I.	Los Angeles, Cal.	Ballast	.....
Samuel Bakke [2]	30	...	Nor.	Scand.-So. Pac. Line	Oslo, Norway	Arica, Chile	General	33
Kansan	30	30	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	1,568
Alfios	29	30	Greek	S. G. Livanos	Neweastle, Eng.	Chieama, Peru	Ballast	.....
Havel [2]	29	30	Ger.	North German Lloyd	Hamburg, Ger.	Vaneouver, B.C.	General	2,421
Sirius [2]	29	2-2	Amer.	U.S. Navy	Norfolk, Va.	San Diego, Calif.	General	1,903
Athelqueen [1] [2]	30	31	Brit.	United Molasses Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
D. G. Seofield [1]	30	31	Amer.	Standard Oil Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Kurama Maru [2]	30	31	Jap.	Kokusai Line	New York, N.Y.	Kobe, Japan	General	7,993
Knute Nelson [2]	30	2-1	Nor.	Fred Olsen & Co.	Oslo, Norway	Vaneouver, B.C.	General	1,664
Ward [2]	30	31	Amer.	Roosevelt S.S. Co.	New York, N.Y.	Saigon, China	General	3,183
Olympia Maru [2]	31	31	Jap.	Mitsubishi Trad. Co.	Hamburg, Ger.	Hakodate, Japan	Salt	8,100
Venice Maru	31	31	Jap.	Kawasaki K. Kaisha	New Orleans, La.	Los Angeles, Cal.	Ballast	.....
Pacific Pioneer [2]	31	31	Brit.	Furness, Withy & Co.	Glasgow, Eng.	Vaneouver, B.C.	General	506
Tokai Maru [2]	31	31	Jap.	Osaka Shosen Kaisha	New York, N.Y.	Shanghai-Japan	General	6,485
Tuscan Star [2]	31	31	Brit.	Blue Star Line	London, Eng.	New Zealand	Ballast	.....
Opawa [2]	31	2-1	Brit.	N.Z. Shipping Co.	Falmouth, Eng.	N.Plymouth,N.Z.	Ballast	.....
Beaconhill [1]	31	1	Amer.	Standard Ship. Co.	Wilmington, N.C.	San Diego, Calif.	Ballast	.....
Perene	31	1	Peru	C.P.V.D.	Iquitos, Peru	Callao, Peru	Lum'r, gen.	801
Wirral	31	1	Brit.	Federal Ship. Co.	Cardiff, Eng.	Sydney, Aus'lia	General	4,601
Moldanger [2]	31	1	Nor.	Westfal, Larsen & Co.	Rotterdam, Neth.	Vaneouver, B.C.	Passengers	.....
W. S. Rheem [5]	31	1	Amer.	Standard Ship. Co.	Providence, R.I.	Los Angeles, Cal.	Ballast	.....
Ryuyo Maru	31	1	Jap.	Yamashita S.S. Co.	Newport, Eng.	Portland, Oreg.	Ballast	.....
F. J. Luckenbach	2-1	1	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	1,921
Monkleigh	1	1	Brit.	Anglo-Canadian Co.	Barry, Eng.	Portland, Oreg.	Ballast	.....
Indien [2]	1	1	Dan.	Orient S.S. Co.	Liverpool, Eng.	Vaneouver, B.C.	Ballast	.....
Modavia [2]	1	1	Brit.	Donaldson Brothers	Glasgow, Eng.	Vaneouver, B.C.	General	986
George W. McKnight. [1] [2]	1	1	Danz.	W. Tanksehiff Rhed'i.	Kiel, Ger.	Talara, Peru	Ballast	.....
La Brea [2]	1	2	Amer.	Union Oil Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Normanstar	1	2	Brit.	Blue Star Line	London, Eng.	Vaneouver, B.C.	Ballast	.....
President Monroe	2	2	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	2,920
Valdirosa	1	2	Ital.	Lloyd Mediterraean	Liverpool, Eng.	Tocopilla, Chile	Ballast	.....
Denmark Maru	2	2	Japan	Kawasaki K. Kaisha	Norfolk, Va.	Los Angeles, Cal.	Ballast	.....
Balboa [2]	2	2	Swed.	Johnson Line	Stockholm, Swed.	Hilo, P.I.	([15])	8,487
Santa Barbara [2]	1	3	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile	General	2,746
Santa Cecilia	2	3	Amer.	Panama Mail S.S. Co.	New York, N.Y.	S. Francisco, Cal.	General	1,511
Matakana	2	3	Brit.	Shaw, Savill & Albion	Glasgow, Eng.	Bluff, N.Z.	General	5,537
Memphis City	3	3	Amer.	Isthmian S.S. Lines	Swansea, Eng.	Vaneouver, B.C.	General	5,894
Tekoa	3	3	Brit.	N.Z. Shipping Co.	Liverpool, Eng.	Auckland, N.Z.	Ballast	.....
San Gil	3	3	Pan.	United Fruit Co.	Mobile, Ala.	Guayaquil,Ecuad	Ballast	.....
Niederwald	3	4	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Magallanes, Chile	General	2,416
India [2]	3	4	Dan.	East Asiatic Co.	Copenhagen,Den.	Vaneouver, B.C.	Ballast	.....
Istmo	3	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	100
Hegira	3	4	Amer.	Pac. Coast Dir. Line	Boston, Mass.	Seattle, Wash.	General	604
Athelregent [1] [2]	3	4	Brit.	H. P. Drewry	Havre, France	LaLibertad,Ecua.	Ballast	.....
Edgehill	4	4	Amer.	Lykes Bros., Ripley	Mobile, Ala.	Kobe, Japan	General	6,302
Ninna	4	4	Dan.	J. Lauritzen	Glasgow, Eng.	Seattle, Wash.	Ballast	.....
Florence Luckenbach.	4	4	Amer.	Luckenbach-Gulf Co.	Houston, Tex.	Seattle, Wash.	General	5,600
Nevadan	4	4	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	1,734
Vermar	4	4	Amer.	Calmar S.S. Corp.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,343
Ontarolite [1] [2]	4	4	Brit.	Standard Oil Co.	Caripito, Venez.	Tocopilla, Chile	Oil	11,950
Cerigo	3	4	Ger.	Hamburg-Amer. Line	Cristobal, C.Z.	Guayaquil,Ecuad	General	298
San Rafael	4	4	Amer.	States S.S. Co.	New York, N.Y.	Seattle, Wash.	General	2,102
Gulfcrest [1] [2]	4	5	Amer.	Gulf Refining Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Teal [10]	...	5	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	([16])	
Timber Rush	4	5	Amer.	Shepard S.S. Co.	Albany, N.Y.	Portland, Oreg.	General	6,148
Swifteagle [1]	5	5	Amer.	Shell Oil Co.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	.....
Sidney M. Hauptman.	4	5	Amer.	McCormick S.S. Co.	Norfolk, Va.	Tacoma, Wash.	General	2,136
Steel Trader	5	5	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Hawaiian Islands	Ballast	.....
Attika	5	5	Ger.	North German Lloyd	Bremen, Ger.	Guaymas, Mex.	Ballast	.....
Doric Star	4	6	Brit.	Blue Star Line	Tyne, Eng.	Wellington, N.Z.	Ballast	.....
American Oriole	5	5	Amer.	General Chemical Co.	Freeport, Tex.	Oakland, Calif.	Sulphur	7,500
Willmoto	5	5	Amer.	Williams S.S. Line	Baltimore, Md.	Seattle, Wash.	General	1,595
Kreta	5	6	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Guayaquil,Ecuad	General	770
Barneveld	5	6	Neth.	Royal Neth. S.S. Co.	Hamburg, Ger.	Corral, Chile	General	926
Nyhorn [2]	5	6	Nor.	Cascade Line	Elsinore, Den.	Los Angeles, Cal.	Ballast	.....
Wilhelm A. Riedemann. [1] [2]	6	6	Ger.	Anglo-Amer. Oil Co.	New York, N.Y.	Talara, Peru	Ballast	.....
Maron [2]	6	6	Brit.	Alfred Holt & Co.	Boston, Mass.	Yokohama, Jap.	Asbestos,wax	3,783
Svealand [2]	6	6	Swed.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Everleigh	6	6	Brit.	Canadian Transp. Co.	Cardiff, Eng.	Vaneouver, B.C.	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [10] Minesweeper. [13] Auxiliary.
[14] Crane. [15] Fertilizer and pulp. [16] Towing barge.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Canadian Challenger.	6	6	Brit...	Can. Nat. Steamships.	Halifax, N.S.....	Lyttleton, N.Z...	General.....	3,943
Lapwing [10].....	...	...	Amer..	U.S. Navy.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
West Camargo...	6	7	Amer..	McCormick S.S. Co..	Buenos Aires, Arg.	Vancouver, B.C..	Coffee, cocoa	3,683
Hindanger [2].....	6	7	Nor...	Interocean S.S. Corp	Rotterdam, Neth.	Vancouver, B.C..	Ballast.....	.....
Yahiko Maru [2]..	6	7	Jap...	Mitsui & Co.....	Savannah, Ga...	Yawata, Japan..	([13])	2,350
Port Alma [2].....	6	7	Brit...	Com'lth & Dom. Line.	Glasgow, Eng...	Dunedin, N.Z...	General.....	615
Columbian.....	7	7	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash...	General.....	1,836
Caroline Maersk. [1] [2]	7	7	Dan...	A. P. Moller.....	Maurer, N.J.....	Los Angeles, Cal.	Ballast.....	.....
Cape Comorin...	7	7	Brit...	Freeport Sulphur Co.	Freeport, Tex...	Auckland, N.Z...	Sulphur.....	6,000
Baru [2].....	6	7	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Pto. Arm'les, R.P.	General.....	65
Real [3].....	6	7	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Sambu [3].....	6	7	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Tai Shan [2].....	7	8	Pan...	Barber Line.....	Norfolk, Va.....	Kobe, Japan....	([14])	4,364
Pasajero [3].....	6	8	Hond..	Francisco Beltram...	Truxillo, Hond..	S. Lorenzo, Hond.	Furniture...	2
President Pierce..	8	9	Amer..	Dollar Line.....	New York, N.Y.	S. Francisco, Cal.	([15])	2,268
Walter A. Luckenbach.	8	8	Amer..	Luckenbach Line....	Boston, Mass....	Seattle, Wash...	General.....	2,911
S. C. T. Dodd [1]..	8	8	Amer..	J. B. Berry Sons.....	Tiverton, R.I....	Los Angeles, Cal.	Ballast.....	.....
Penelope [1] [2].....	8	8	Danz..	W. Tankschiff Rhed'i.	Hamburg, Ger...	Talara, Peru....	Ballast.....	.....
Laertes.....	8	8	Neth..	Ned. Stoom't Mart'py	Mobile, Ala.....	Osaka, Japan....	([16])	5,452
Tisnaren [2].....	8	8	Swed..	Transatlantic S.S. Co.	Southamp'n, Eng	Vancouver, B.C..	Ballast.....	.....
Victoria City.....	8	8	Brit...	Reardon Smith Line..	Barry, Eng.....	Los Angeles, Cal.	Ballast.....	.....
Nosa King.....	8	9	Amer..	N.O. & S.A. Line....	Norfolk, Va.....	Ant'fagasta, Chile	([17])	305
San Francisco [2]..	8	9	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Vancouver, B.C..	General.....	669
Tamaroa.....	8	9	Brit..	Shaw, Savill & Albion	London, Eng....	Auckland, N.Z...	General.....	5,220
Pennsylvania...	9	9	Amer.	Panama-Pacific Line.	New York, N.Y.	S. Francisco, Cal.	General.....	2,045
E. J. Bullock [2]..	8	9	Amer.	Standard Ship. Co...	Aruba, D.W.I....	Los Angeles, Cal.	Ballast.....	.....
Charles Nelson..	8	9	Amer..	Nelson Line.....	New York, N.Y.	Seattle, Wash...	Coal, gen...	2,516
W. C. Teagle [2]..	8	9	Amer..	Standard Ship. Co...	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Dinteldijk [2].....	8	9	Neth..	Holland-Amer. Line..	Rotterdam, Neth.	Vancouver, B.C..	General.....	1,328
Induna.....	9	9	Brit...	DuPont Powder Co..	Liverpool, Eng..	Ant'gafasta, Chile	Ballast.....	.....
Beaconstar [2].....	9	9	Amer..	Standard Ship. Co...	New York, N.Y.	Talara, Peru....	Ballast.....	.....
Boren.....	9	9	Swed..	Transatlantic S.S. Co.	Norfolk, Va.....	Los Angeles, Cal.	Ballast.....	.....
Tacoma City....	9	9	Brit...	States Marine Corp..	Beaumont, Tex..	Shanghai, China.	([18])	7,880
Flint No. 2.....	9	9	Nor...	DuPont Powder Co..	Newcastle, Eng..	Ant'fagasta, Chile	Ballast.....	.....
Loreto [2].....	9	9	Brit...	Pacific Steam Nav. Co	Hull, Eng.....	Corral, Chile....	General.....	4,594
Steel Navigator..	9	10	Amer..	Isthmian S.S. Co....	Baltimore, Md...	Iloilo, P.I.....	General.....	8,229
Acajutla.....	3	10	Brit...	Pacific Steam Nav. Co	Cristobal, C.Z...	Champ'ico, Guat.	General.....	300
Chatton.....	9	10	Brit...	Brantingham S.S. Co.	Newcastle, Eng..	Mazatlan, Mex..	Ballast.....	.....
Washington [2].....	9	10	Fr....	French Line.....	Antwerp, Belg...	Vancouver, B.C..	General.....	2,976
Middlesex.....	9	10	Brit...	Federal Steam Nav. Co	Glasgow, Eng...	New Zealand....	Ballast.....	.....
Harpoon.....	9	10	Amer..	Shepard S.S. Co.....	N. Bedford, Conn	Seattle, Wash...	General.....	4,101
Floride.....	9	...	Fr....	French Line.....	Havre, France...	Talcahuano, Chile	General.....	851
Villanger [2].....	9	10	Nor...	Interocean S.S. Corp.	Rotterdam, Neth.	Vancouver, B.C..	Ballast.....	.....
Invercorrie [2].....	10	10	Venez.	Lago Shipping Corp..	Aruba, D.W.I...	B'ventura, Col...	Gasoline....	1,050
Maylayan Prince [2]	9	10	Brit...	Prince Line.....	New York, N.Y.	Shanghai, China.	General.....	3,977
Archangelos.....	9	10	Gr....	S. Livanos & Co.....	Cardiff, Eng.....	Ant'fagasta, Chile	Coal, coke..	6,308
Fordefjord [2].....	9	10	Nor...	Chilean Nitrate Corp.	Wilmington, N.C.	Iquique, Chile...	Ballast.....	.....
San Blas.....	10	10	Pan...	United Fruit Co.....	Mobile, Ala.....	Guayaquil, Ecuad	Ballast.....	.....
Hussar [6].....	10	11	Amer..	E. F. Hutton.....	Miami, Fla.....	Pacific coast....	Ballast.....	.....
Santa Rita [2].....	9	11	Amer..	Grace Line.....	New York, N.Y.	Valparaiso, Chile.	General.....	2,362
Ohioan	10	10	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Portland, Oreg...	General.....	1,636
Tilthorn.....	10	10	Nor...	Nitrate Sales Corp....	Bergen, Norway.	Tocopilla, Chile..	Ballast.....	.....
Santa Paula.....	10	11	Amer..	Panama Mail S.S. Co.	New York, N.Y..	S. Francisco, Cal.	Gen., coffee.	2,075
Point Caleta.....	11	11	Amer..	Gulf-Pacific Line.....	Houston, Tex....	Seattle, Wash...	([19])	3,803
Demeterton.....	11	11	Brit...	Dale & Co.....	Tyne, Eng.....	Vancouver, B.C..	Ballast.....	.....
Abraham Lincoln [2]	11	12	Nor...	Fred Olsen & Co.....	Oslo, Norway....	Vancouver, B.C..	General.....	3,443
Manizales.....	4	11	Ger...	North German Lloyd.	Cristobal, C.Z...	Guayaquil, Ecuad	General.....	273
William Rockefeller [1]	11	11	Amer..	Standard Ship. Co...	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Pacific Reliance [2].	11	12	Brit...	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B.C..	General.....	674
Naples Maru.....	12	12	Jap...	Kokusai Line.....	Tampa, Fla.....	Osaka, Japan....	([20])	7,716
Arandora Star....	12	13	Brit...	Blue Star Line.....	South'pton, Eng.	Honolulu, T.H...	Passengers..	.....
Imlay [1].....	12	12	Amer..	Standard Ship. Co...	New York, N.Y..	Los Angeles, Cal.	Ballast.....	.....
Anna Maersk [2]..	12	12	Dan...	A. P. Moller	Boston, Mass....	Cebu, P.I.....	General.....	5,159
Spreewald [2].....	11	12	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Pt. Chicama, Peru	Ballast.....	.....
Lapwing [10].....	...	...	Amer..	U.S. Navy.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Uyo Maru [2].....	12	13	Jap....	Kawasaki K. Kaisha..	Baltimore, Md...	Los Angeles, Cal.	Ballast.....	.....
Istmo.....	11	13	Pan...	Elliot Ship. & Land Co	Cristobal, C.Z...	Buenav'tura, Col.	General.....	125
Gregalia.....	12	13	Brit...	Donaldson Brothers..	Glasgow, Eng...	Vancouver, B.C..	General.....	625
Tacoma Star.....	13	13	Brit...	Blue Star Line.....	Newcastle, Eng..	N. West'ster, B.C	Ballast.....	.....
Pennsylvanian...	13	13	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash...	General.....	1,949
Comliebank [2]....	13	13	Brit...	Inter. Freighting Co..	Norfolk, Va.....	Ant'fagasta, Chile	Ballast.....	.....
W. H. Libby [1]...	13	13	Amer..	Standard Ship. Co...	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Mobile City.....	13	13	Amer..	Isthmian S.S. Lines..	Portland, Me....	Tacoma, Wash...	Steel, gen...	5,099

[1] Tanker. [2] Motor ship. [3] Motor schooner. [6] Yacht. [10] Mine sweeper. [13] Steel, scrap iron.
[14] Scrap iron, general. [15] General, machinery. [16] Scrap iron, cotton. [17] Explosives and chloride gas.
[18] Cotton, scrap iron. [19] Pipe, paper, general. [20] Cotton, scrap iron, lead, zinc, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Australind [2]	13	14	Brit.	Amer.-Australian Line	Tampico, Mexico	Fremantle, Aust.	General	5,405
Nailsea Moor	13	14	Brit.	Chilean Nitrate Sales.	Norfolk, Va.	Tocopilla, Chile.	Ballast	.....
Elizabeth Kellogg [1]	12	14	Amer.	Kellogg S.S. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Canadian Constructor.	13	14	Brit.	Can. Nat. Steamships.	Halifax, N.S.	Melbourne, Aust.	General	4,640
Barbara Cates	14	...	Amer.	Sudden & Christenson	Baltimore, Md.	Seattle, Wash.	General	2,457
Aladdin [1]	14	14	Amer.	Stand. Vacuum Tr'sp.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Feltre [2]	13	14	Ital.	Italian Line	Trieste, Italy	Vancouver, B.C.	General	1,370
Tweedbank [2]	14	14	Brit.	Bank Line, Ltd.	Boston, Mass.	Shanghai, China.	General	2,837
Tsuyama Maru	14	14	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Dairen, Manch'ia	Gen., cotton.	7,802
Fernhill [2]	14	14	Nor.	Fern Line	Houston, Texas.	Kobe, Japan	Scrap iron	7,097
Real [3]	13	14	Pan.	Elliot Ship.& Land Co.	Cristobal, C.Z.	Panama, R.P.	Ballast	.....
Sambu [3]	13	14	Pan.	Elliot Ship.& Land Co.	Cristobal, C.Z.	Panama R.P.	Ballast	.....
Gen. Wm. M. Graham [11]			Amer.	U. S. Army	Cristobal, C.Z.	PedroMiguel,C.Z.	Ballast	.....
Pres. Van Buren	15	15	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	2,549
Ramapo [1]	15	...	Amer.	U.S. Navy	Norfolk, Va.	San Diego, Cal.	Navy cargo	.....
Valparaiso	15	15	Chil.	Cia Chilean Intero'ica	St. Lucia, B.W.I.	Arica, Chile	Ballast	.....
Harold Walker [1]	15	15	Amer.	Standard Ship. Co.	Providence, R.I.	Los Angeles, Cal.	Ballast	.....
Este	14	15	Ger.	North German Lloyd.	Bremen, Ger.	Los Angeles, Cal.	General	2,116
Elisha Walker [1]	15	15	Amer.	Standard Ship. Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Vernon City	15	16	Brit.	Reardon Smith Line.	Houston, Texas.	Shanghai, China.	General	7,341

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Orville Harden [1] [2]	15	16	Danz.	Baltic-Amer. Pet. Co.	Talara, Peru	Le Havre, France	Crude oil	16,187
Delftdijk [2]	15	16	Neth.	N. Pacific Coast Line.	Vancouver, B.C.	Rotterdam, Neth.	General	9,560
San Blas	16	16	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,200
Baru [2]	16	17	Pan.	Elliot Ship. & Land Co.	El Real, R.P.	Cristobal, C.Z.	Bananas	105
Sambu [3]	16	17	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	21
Mathew Luckenbach.	16	16	Amer.	Luckenbach Gulf Co.	Seattle, Wash.	Mobile, Ala.	General	6,098
Pomona	16	16	Amer.	Weyerhaeuser S.S. Co.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	10,000
Geo. H. Jones [1]	16	17	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Chelsea, Mass.	Fuel oil	10,876
Ranapo [1]	13	17	Amer.	U.S. Navy	Los Angeles, Cal.	Norfolk, Va.	Fuel oil	11,259
Gulfcrest [1] [2]	16	16	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	14,386
Nordbo [2]	16	16	Dan.	Anglo-Can. Ship. Co.	Vancouver, B.C.	Manchester, Eng.	([14])	7,641
Atlanta City	16	17	Amer.	Isthmian S.S. Lines.	Hilo, T.H.	Baltimore, Md.	([15])	8,702
California	17	17	Ital.	Nav. Libera Triestina.	Vancouver, B.C.	Genoa, Italy	General	8,516
New Orleans [2]	16	17	Amer.	Roosevelt S.S. Co.	Manila, P.I.	Baltimore, Md.	General	6,947
Salinas [1]	16	20	Amer.	U.S. Navy	Los Angeles, Cal.	Cristobal, C.Z.	Gasoline	3,373
Shohei Maru [2]	16	17	Jap.	Mitsui & Co.	Iloilo, P.I.	New York, N.Y.	General	5,558
Silverfir [2]	17	17	Brit.	Silver Line	Manila, P.I.	New Orleans, La.	([16])	7,670
Meton [1]	17	17	Amer.	Shell Eastern Pet. Co.	Los Angeles, Cal.	Sewaren, N.J.	Kerosene	10,065
Santa Barbara [2]	17	17	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	4,095
Forbes Hauptman	17	17	Amer.	McCormick S.S. Co.	Pt.Town'd,Wash.	New York, N.Y.	General	5,874
Moveria [2]	17	18	Brit.	Donaldson Line	Vancouver, B.C.	Glasgow, Scot.	Frozen, gen.	5,184
Californian [2]	17	18	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	9,075
Langleegorse	17	18	Brit.	Canadian Transp. Co.	Vancouver, B.C.	London, Eng.	Grain, lum'r.	7,523
Newton Beech	17	18	Brit.	J. Ridley Sons & Tully	Vancouver, B.C.	London, Eng.	Lum'r,wheat	6,975
Washington Express. [2]	17	18	Nor.	Fruit Express Line	N. West'r, B.C.	Hamburg, Ger.	Fresh fruit	1,966
Hindpool	18	18	Brit.	T. A. Lee & Whitmore	Vancouver, B.C.	Hull, England	Wheat	8,163
Emidio [1]	18	18	Amer.	General Petroleum Co	Los Angeles, Cal.	New York, N.Y.	([17])	9,408
Karamea	18	19	Brit.	Shaw, Savill & Albion	N.Plymouth,N.Z.	London, Eng.	Frozen, gen.	6,700
Sambu [3]	18	19	Pan.	Elliot Ship. & Land Co.	Panama, R.P.	Cristobal, C.Z.	Empty drums	4
Emergency Aid	18	18	Amer.	Pac.-Arg.-Brazil Line.	Seattle, Wash.	Buenos Aires, Arg.	Lumber, gen.	3,993
Yuri Mari	18	18	Jap.	Kokusai Kisen Kaisha	Pulupandan, P.I.	New Orleans, La.	Sugar	8,500
Geddington Court	18	19	Brit.	Canadian Transp. Co.	Vancouver, B.C.	Antwerp, Belg.	General	10,170
Llanover	18	19	Brit.	Chilean Nitrate Co.	Tocopilla, Chile.	Azores [13]	Nitrate	8,072
San Simeon	19	19	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	5,703
Portmar	19	19	Amer.	Calmar S.S. Corp.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	5,440
Uyo Maru [2]	19	20	Jap.	Kawasaki K. Kaisha	Manila, P.I.	New York, N.Y.	General	7,032
Fordefjord [2]	19	20	Nor.	Chilean Nitrate Corp.	Tocopilla, Chile.	Savannah, Ga.	Nitrate	7,780
Svealand [2]	19	20	Swed.	Ore S.S. Corp.	Cruz Gr'de, Chile	Sparrows Pt., Md.	Iron ore	21,652
Golden River	19	20	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Charleston, S.C.	Lumber, gen.	5,706
Hertford	19	20	Brit.	Federal Steam Nav. Co.	Auckland, N.Z.	Glasgow, Scot.	Frozen, gen.	6,705
Eleanor Christenson.	19	20	Amer.	Sudden & Christenson	Tacoma, Wash.	Baltimore, Md.	Lumber, gen.	6,951
Gen. Wm. M. Graham. [11]	20	...	Amer.	U.S. Army	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Abana	19	21	Ger.	North German Lloyd.	Guayamas, Mex.	Bremen, Ger.	General	3,145
Salvador	20	...	Brit.	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z.	General	215
Otira	20	20	Brit.	Shaw, Savill & Albion.	Opua, N.Z.	London, Eng.	Frozen, gen.	3,661
Cali	20	...	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,068
Temple Bar	20	20	Brit.	Chilean Nitrate Co.	Iquique, Chile.	Azores [13]	Nitrate	7,750
Azumasan Maru [2]	20	20	Jap.	Mitsui & Co.	Moji, Japan	New York, N.Y.	General	6,797
S. C. T. Dodd [1]	20	20	Amer.	J. B. Berry Sons Co.	Los Angeles, Cal.	Tiverton, R.I.	([18])	10,150

[2] Tanker. [3] Motor ship. [1] Motor schooner. [5] Launch. [11] Mine planter. [13] For orders. [14] Lumber, wheat, general. [15] Sugar, pineapples. [16] Sugar, coconut oil. [17] Gasoline, fuel oil. [18] Kerosene, furnace oil.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Chilsco [2]	20	20	Amer.	Chile S.S. Co.	Los Angeles, Cal.	Philadelphia, Pa.	Fuel oil	7,346
Katrina Luckenbach.	20	21	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	7,154
President Pierce	21	21	Amer.	Dollar Line	Manila, P.I.	New York, N.Y.	Gen., cotton.	3,906
Montgomery City	20	21	Amer.	Isthmian S.S. Lines	Kahului, T.H.	Baltimore, Md.	([13])	8,350
Tampa [2]	20	21	Nor.	Canadian Transp. Co.	Vancouver, B.C.	Hull, Eng.	Lum'r, wheat	6,043
Brion	21	..	Neth.	West Indian S.S. Co.	Guayaquil, Ecuad	Cristobal, C.Z.	General	688
Katsuragi Maru [2]	21	21	Jap.	Kokusai Kisen Kaisha	Manila, P.I.	New York, N.Y.	General	7,033
Panaman	21	21	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,097
Elmworth [2]	21	21	Brit.	Canadian Transp. Co.	Vancouver, B.C.	Dublin, Ireland.	([14])	8,173
Kwansai Maru [2]	21	21	Jap.	Osaka Shosen Kaisha.	Iloilo, P.I.	Baltimore, Md.	Sugar, lum'r.	5,889
Wyoming	21	22	Fr.	French Line	Vancouver, B.C.	Antwerp, Belg.	General	7,485
Alaska	21	22	Nor.	Chilean Nit. Sales Co.	Ant'fagasta, Chile	Wilmington, N.C	Nitrates	7,678
Justin	22	23	Ger.	North German Lloyd.	Vancouver, B.C.	Bremen, Ger.	General	6,203
Nicoline Maersk [2]	22	22	Dan.	A. P. Moller	Dairen, Man'ria.	Rotterdam, Neth.	Soya beans.	7,480
Santa Cecilia	22	22	Amer.	Argonaut Line	Seattle, Wash.	New York, N.Y.	General	7,722
J.A.Mowinckel [1] [2]	22	23	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Vallo, Norway	Crude oil	16,057
Japan Arrow [1]	22	23	Amer.	Stand. Vacuum Tr'sp.	S. Francisco, Cal.	New York, N.Y.	Gas oil	12,722
Pennsylvania	22	23	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	4,790
Santa Rita [2]	23	23	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	4,238
Tatsuno Maru	22	23	Jap.	Nippon Yusen Kaisha	Hinigaran, P.I.	New York, N.Y.	General	7,638
Sambu [5]	23	24	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	26
Nurtureton	22	23	Brit.	R. Chapman & Son	Vancouver, B.C.	Hull, England	Wheat	9,380
San Gil	23	23	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	891
Benjamin Franklin. [2]	23	24	Nor.	Fred Olsen & Co.	Seattle, Wash.	Oslo, Norway	General	5,305
Real [2]	23	24	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	49
El Sona [2]	23	24	Pan.	A. Valdes	Bayano Riv., R.P.	Cristobal, C.Z.	Bananas	45
HardwickeGrange	23	24	Brit.	Furness, Withy & Co.	Seattle, Wash.	London, Eng.	Apples, pears	4,306
Point Palmas	23	23	Amer.	Swayne & Hoyt	Seattle, Wash.	Tampa, Fla.	General	6,004
John Bakke [2]	23	23	Nor.	Cascade Line	Pt. Angeles, Wash.	Antwerp, Belg.	General	6,202
Pacific President [2]	23	23	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Manchester, Eng.	General	9,081
Hawaiian	23	24	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	4,523
City of Rayville [2]	24	24	Amer.	Roosevelt S.S. Co.	Adelaide, Aus'lia.	Baltimore, Md.	General	6,086
Tai Ping Yang [2]	24	25	Pan.	Barber Wilhelmsen	Manila, P.I.	Boston, Mass.	General	8,150
Ville D'Amiens	25	25	Fr.	Messageries Marit's	New Caledonia	Marseille, France	Copra, gen.	5,066
Goolistan	24	25	Brit.	Common Brothers	Vancouver, B.C.	Avonmouth, Eng.	Wheat, gen.	9,964
Istmo	24	27	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee, gen.	596
Robert Luckenbach.	25	25	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	4,255
Seattle [2]	25	26	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	7,066
Brielle	25	25	Neth.	Chilean Nitrate Co.	Tocopilla, Chile.	Europe	Nitrates	8,700
Empire Star	25	26	Brit.	Blue Star Line	N. West'r, B.C.	Newcastle, Eng.	Fruit, gen.	5,770
Santa Ana	26	27	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	General	3,481
Glenmoor [2]	26	27	Brit.	W. Runciman & Co.	Dairen, Man'ria.	Hamburg, Ger.	Soya beans.	7,725
Tainui	27	27	Brit.	Shaw, Savill & Albion	Auckland, N.Z.	London, Eng.	Frozen, gen.	3,500
Salvus	27	27	Brit.	Colonial Sugar Co.	Suva, Fiji Islds.	Lands End [15]	Sugar	7,800
Ludington	26	28	Amer.	U.S. Army	S. Francisco, Cal.	Brooklyn, N.Y.	Army sup.	590
Cerigo	27	29	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,132
Teal No. 23 [4]	..	..	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Amerika [2]	27	27	Dan.	East Asiatic Co.	Vancouver, B.C.	Copenhagen, Den.	General	8,674
Baru [5]	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	80
Point Bonita	26	27	Amer.	Swayne & Hoyt	Portland, Oreg.	Lake Charles, La.	Lum'r, gen.	4,017
Gaelic Star	27	28	Brit.	Blue Star Line	Seattle, Wash.	Hamburg, Ger.	Frozen, gen.	3,436
Sambu [5]	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	17
Liberator	27	28	Amer.	Amer. Gulf Orient Line	Hinigaran, P.I.	New Orleans, La.	General	9,590
Iowan	27	28	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	4,555
Brimanger [2]	28	28	Nor.	Interocean S.S. Corp.	Vancouver, B.C.	Havre, France	General	6,987
District of Columbia. [1]	28	28	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,446
Benreoch	28	28	Brit.	Geo. H. Scales	Picton, N.Z.	London, Eng.	Wool	3,297
Willowpool	28	30	Brit.	Anglo-Can. Ship. Co.	Vancouver, B.C.	Europe	Wheat	7,980
San Bernardino	28	28	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lum'r, gen.	8,623
Evagoras	28	29	Brit.	Nitrate Corp., Chile	Iquique, Chile	Azores [15]	Nitrates	8,450
Audacious [3] [6]	24	29	Amer.	H. Trumbull, L. Kent.	S. Francisco, Cal.	Cristobal, C.Z.	Ballast	.....
Santa Rosa	29	30	Amer.	Grace Line	Seattle, Wash.	New York, N.Y.	General	2,951
Canadian Highlander.	29	31	Brit.	Can. Nat. Steamships.	Sydney, Aus'lia.	Halifax, N.S.	General	2,267
Julia Luckenbach.	29	30	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	6,200
El Libertador [2]	28	29	Pan.	National Nav. Co.	Panama, R.P.	Cristobal, C.Z.	Bananas	20
El Sona [2]	28	29	Pan.	National Nav. Co.	Panama, R.P.	Cristobal, C.Z.	Bananas	25
Retriever [5]	.....	.....	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Sultan Star	29	30	Brit.	Blue Star Line	Auckland, N.Z.	London, Eng.	Frozen, gen.	6,881
K.I. Luckenbach.	29	30	Amer.	Luckenbach Line	Portland, Oreg.	Mobile, Ala.	General	4,000
Snestad [2]	29	30	Nor.	Fern Line	Iloilo, P.I.	East coast, U.S.A	Sugar	7,150
Caduceus	29	30	Brit.	Nitrate Corp., Chile.	Iquique, Chile	Azores [15]	Nitrates	8,020
Mevania [1]	29	30	Amer.	C.D. Mallory & Co.	Martinez, Cal.	Fall River, Mass.	Kerosene	10,199
Steel Maker	30	31	Amer.	Isthmian S.S. Co.	Seattle, Wash.	Baltimore, Md.	General	7,735

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [6] Yacht. [13] Pineapples, sugar. [14] Wheat, lumber, general. [15] For orders.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
San Blas	30	30	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,250
Roland	29	31	Ger.	North German Lloyd.	Valparaiso, Chile.	Hamburg, Ger.	General	5,646
Pennmar	30	30	Amer.	Calmar Line	Portland, Oreg.	Baltimore, Md.	Lum'r, gen.	2,015
Lochmonar	30	31	Brit.	Royal Mail Lines	Vancouver, B.C.	Rotterdam, Neth.	General	8,869
Trondanger [2]	30	30	Nor.	Interocean Line	Vancouver, B.C.	Rotterdam, Neth.	General	8,317
Nebraskan	30	31	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	6,466
Leeds City	30	31	Brit.	Reardon Smith Line.	Honolulu, T.H.	Cardiff, Wales	General	8,100
Gypsum Prince	30	31	Brit.	Watson Geach & Co.	Taltal, Chile	New York, N.Y.	Ores	6,200
Baarn	31	2-1	Neth.	Royal Neth. S.S. Co.	Corral, Chile	Hamburg, Ger.	General	8,096
Santa Clara	31	1	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	4,588
Corsair [6]	31	31	Amer.	J. P. Morgan	Galapagos Isl'ds.	Curacao, D.W.I.	Ballast	.....
Allan Jackson [1]	31	1	Amer.	Pan Amer. Foreign Co	Los Angeles, Cal.	Providence, R.I.	Fuel oil	10,200
Gypsum Queen	31	31	Brit.	American Metals Co.	Coquimbo, Chile.	New York, N.Y.	Ores	6,003
Amerikaland [2]	31	1	Swed.	Ore S.S. Corp.	Cruz Gr'de, Chile	New York, N.Y.	Iron ore	21,650
Gulfwax [1]	31	1	Amer.	Gulf Refining	Los Angeles, Cal.	New York, N.Y.	Fuel oil	13,699
President Herrenschmidt. [1] [2]	31	1	Nor.	Pechelbronn, Stras'g.	Talara, Peru	Pt. de Bouc, Fr'ce	Crude oil	13,296
Teakwood [1]	31	1	Brit.	J. I. Jacobs	Monterey, Calif.	Havre, France	Crude oil	8,250
J. N. Pew [1]	31	1	Amer.	Sinclair Oil Co.	Pt. San Luis, Cal.	Houston, Tex.	Crude oil	13,926
England Maru	31	1	Jap.	Kokusai Kisen Kaisha	Miike, Japan	Norfolk, Va.	(13)	6,503
Golden Mountain.	2-1	1	Amer.	Williams S.S. Corp.	Eureka, Wash.	New York, N.Y.	General	4,541
Vancolite [1] [2]	1	1	Brit.	Imperial Oil Co.	Cabo Bl'co, Peru.	Halifax, N.S.	Crude oil	15,790
Camden [1]	1	2	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	9,648
Trimountain [1]	1	1	Amer.	Home Oil Co.	Los Angeles, Cal.	New York, N.Y.	Furnace oil	9,162
Skeena [9]	29	5	Brit.	British Navy	Esquimault, B.C.	MontegoBay, J'ca	.....	.....
Vancouver [9]	29	5	Brit.	British Navy	Esquimault, B.C.	MontegoBay, J'ca	.....	.....
Herman Frasch	1	2	Amer.	A.C. Dutton Corp.	Tacoma, Wash.	Providence, R.I.	Lumber	5,219
Lapwing [4]	...	6	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
West Cape	2	3	Amer.	McCormick S.S. Co.	Tacoma, Wash.	Philadelphia, Pa.	General	7,770
Acajutla	2	...	Brit.	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z.	General	673
Istmo	2	4	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	554
S-16 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
S-17 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
S-15 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Margaret Johnson. [2]	3	3	Swed.	Johnson Line	Vancouver, B.C.	Stockholm, Swed.	General	6,070
Quarrington Court	2	3	Brit.	United British S.S. Co.	N. West'r, B.C.	London, Eng.	Grain, lum'r.	10,100
Paul H. Harwood [1]	3	3	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Portland, Me.	Fuel oil	10,347
Buffalo Bridge	3	3	Amer.	Nelson S.S. Co.	Seattle, Wash.	New York, N.Y.	Lum'r, gen.	4,486
Minden	3	4	Ger.	North German Lloyd.	Valparaiso, Chile.	Hamburg, Ger.	General	6,000
Cerigo	3	4	Ger.	Hamburg-Amer. Line.	B'ventura, Col.	Cristobal, C.Z.	Coffee, wool.	558
Charles G. Black [1]	3	4	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	20,775
Susan V. Luckenbach.	3	3	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	3,021
Retriever [5]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Schwaben	3	4	Ger.	North German Lloyd.	Vancouver, B.C.	Hamburg, Ger.	General	9,766
American	3	4	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,305
President Taft	4	4	Amer.	Dollar Line	S. Francisco, Cal.	New York, N.Y.	General	4,080
Manizales	4	11	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	876
Blue Dolphin [2] [6]	1-29	6	Brit.	A. D. Chandler	Galapagos Isl'ds.	Gloucester, Mass.	Ballast	.....
Constance Chandler.	4	4	Amer.	Arrow Line	Tacoma, Wash.	Baltimore, Md.	Lum'r, gen.	6,685
Northumberland	4	5	Brit.	N.Z. Shipping Co.	Wellington, N.Z.	Glasgow, Scot.	Frozen, gen.	8,637
Aldington Court [2]	5	5	Brit.	Canadian Transp. Co.	Vancouver, B.C.	London, Eng.	Lum'r, wheat	8,481
Nictheroy	5	6	Brit.	Royal Mail Lines	N. West'r, B.C.	Hamburg, Ger.	Fruit, gen.	5,379
Comet [1]	5	5	Amer.	Stand. Vacuum Tr'sp.	Los Angeles, Cal.	New York, N.Y.	Gasoline	13,200
California	5	6	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	6,056
Alabama	5	7	Fr.	French Line	Talcahuano, Chile	Le Havre, France	General	8,088
San Mateo	6	6	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,950
Gracia	6	6	Brit.	Donaldson Brothers	Vancouver, B.C.	Glasgow, Scot.	General	6,302
Baru [2]	6	7	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	106
Henry D. Whiton.	6	6	Amer.	Dutton Lumber Corp.	Portland, Oreg.	Providence, R.I.	Lumber	5,040
Laurits Swenson [2]	6	7	Nor.	Fred Olsen & Co.	Vancouver, B.C.	Oslo, Norway	General	5,922
Real [2]	6	7	Pan.	Elliot Ship. & Land Co.	Bayano Riv., R.P.	Cristobal, C.Z.	Bananas	46
Adamello	6	6	Ital.	London Nitrate Co.	Ant'fagasta, Chile	Azores [14]	Nitrates	8,300
Pacific Exporter [2]	6	7	Brit.	Furness, Withy & Co.	Vancouver, B.C.	London, Eng.	General	8,530
Sambu [5]	6	7	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	17
Chilore	6	7	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,700
Virginian	6	7	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	(15)	6,000
Joseph Seep [1]	6	7	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,015
Point Clear	7	7	Amer.	Gulf-Pacific Line	Portland, Oreg.	New Orleans, La.	General	5,511
S-48 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Frumenton	7	7	Brit.	R. Chapman & Son	Vancouver, B.C.	London, Eng.	Grain	11,086
Rangitata [2]	6	7	Brit.	N.Z. Shipping Co.	Auckland, N.Z.	London, Eng.	Frozen, gen.	7,650
Zaanland	7	7	Neth.	Royal Neth. S.S. Co.	Vancouver, B.C.	Antwerp, Belg.	General	7,300
Wasaborg	7	7	Finn.	Anglo-Can. Ship. Co.	Victoria, B.C.	Garston, Eng.	Wheat, tim'r	6,600
Brilliant [1] [2]	7	8	Amer.	Stand. Vacuum Tr'sp.	Los Angeles, Cal.	New York, N.Y.	Gasoline	12,986
Knut Hamsun	7	8	Nor.	Chilean Nitrate Sales.	Tocopilla, Chile.	Jacksonville, Fla.	Nitrates	8,300

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [6] Yacht. [7] Submarine. [9] Destroyer. [13] Sulphate of ammonia. [14] For orders. [15] General and shingles.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
S-12 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	...	...
S-13 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	...	...
S-10 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	...	...
Indra [2]	8	8	Nor.	Scand.-So. Pac. Line	Talcahuano, Chile	Copenhagen, Den.	Gen, nitrates	6,990
Gertrude Maersk [2]	8	8	Dan.	A. P. Moller	Manila, P.I.	Norfolk, Va.	General	7,140
Oregon Express [2]	8	8	Nor.	Sigurd Herlofson	Seattle, Wash.	Hamburg, Ger.	Fresh fruit	1,920
Tulsagas [1]	8	9	Amer.	Tidewater Oil Co.	S. Francisco, Cal.	New York, N.Y.	([14])	9,563
Umberleigh	8	8	Brit.	Anglo-Can. Ship. Co.	Vancouver, B.C.	London, Eng.	Grain, lum'r.	8,500
Lapwing [4]	...	12	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	...	...
Santa Olivia	8	10	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	4,609
George W. McKnight. [1] [2]	8	9	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Le Havre, France	Crude oil	16,569
Sesostris	8	9	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General	5,031
S-14 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	...	...
West Nilus	8	9	Amer.	McCormick S.S. Co.	Vancouver, B.C.	Buenos Aires, Arg.	Lum'r, gen.	5,511
Birmingham City.	8	9	Amer.	Isthmian S.S. Lines	Honolulu, T.H.	Baltimore, Md.	([15])	8,320
Harry Luckenbach.	8	9	Amer.	Luckenbach Line	Seattle, Wash.	New York, N.Y.	Lum'r, gen.	4,512
Deroche [2]	9	9	Amer.	Union Oil Co.	Los Angeles, Cal.	Tiverton, R.I.	Furnace oil	10,500
Silvermaple [2]	9	9	Brit.	Silver Line	Portland, Oreg.	Calcutta, India	General	6,630
Lycia [2]	8	9	Brit.	Canadian Transp. Co.	N. West'r, B.C.	Halifax, N.S.	Lum'r, gen.	3,100
Evanger	9	9	Nor.	Chilean Nitrate Sales.	Ant'fagasta, Chile	Savannah, Ga.	([16])	6,560
Mahia	9	10	Brit.	Shaw, Savill & Albion	Bluff, N.Z.	London, Eng.	Frozen, gen.	7,077
Gertrude Kellogg. [1]	9	10	Amer.	Kellogg S.S. Co.	Manila, P.I.	New York, N.Y.	Coconut oil	6,660
Gulfpenn [1]	9	10	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	13,591
Ethel Radcliffe	10	10	Brit.	Anglo-Can. Ship. Co.	Pt. Alberni, B.C.	London, Eng.	Wheat, lum'r	8,650
Dean Emery [1]	10	10	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil	10,530
Nankai Maru [2]	10	11	Jap.	Osaka Shosen Kaisha	Kobe, Japan	New York, N.Y.	General	3,271
Jonna	9	11	Dan.	J. Lauritzen	Valparaiso, Chile.	New York, N.Y.	Fruit, gen.	900
Durazzo	10	...	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,001
PacificCommerce [2]	10	10	Brit.	Canadian Transp. Co.	Vancouver, B.C.	London, Eng.	General	6,940
Cipro	10	10	Ital.	Nivosis Nav. Co.	Tocopilla, Chile.	Azores [13]	Nitrates	7,800
Sage Brush	10	10	Amer.	Shepard S.S. Co.	Seattle, Wash.	Boston, Mass.	Lum'r, gen.	7,375
Agira	10	12	Ger.	North German Lloyd.	Mazatlan, Mex.	Bremen, Ger.	General	2,900
Llangollen	10	10	Brit.	Evan T. Radcliffe	Tocopilla, Chile.	Azores [13]	Nitrates	8,300
Santa Elisa	10	11	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	Coffee, gen.	2,879
Redwing [5]	8	...	Amer.	D. C. Gray	Miraflores Lake.	Balboa, C.Z.	Ballast	...
John D. Archbold [1]	10	11	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	21,681
Beaconlight [1]	10	11	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Gasoline	8,566
Montanan	11	11	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	6,708
Devon City	11	11	Brit.	Reardon Smith Line.	Vancouver, B.C.	Liverpool, Eng.	([17])	8,000
Istmo	11	13	Pan.	Elliot Ship. & Land Co	Buenav'tura, Col.	Cristobal, C.Z.	Coffee, gen.	540
Chaumont	10	13	Amer.	U.S. Navy	S. Francisco, Cal.	Hmpton R'ds, Va	Navy supplies	352
Teal	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	...	...
Solana [1]	12	12	Amer.	Shell Oil Co	Los Angeles, Cal.	Fall River, Mass.	Fuel oil	9,407
Santa Elena	12	13	Amer.	Grace Line	Seattle, Wash.	New York, N.Y.	General	4,363
Mallard [4]	...	...	Amer.	U. S. Navy	Balboa, C.Z.	Cristobal, C.Z.	...	...
Mercury Sun [1] [2]	12	12	Amer.	Gulf Refining Co.	S. Francisco, Cal.	New York, N.Y.	Furnace oil	14,252
Bordeaux Maru	12	13	Jap.	Kawasaki K. Kaisha	Mangarin, P.I.	New York, N.Y.	General	7,211
C. A. Canfield [1]	12	13	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Tiverton, R.I.	Furnace oil	9,692
Real [2]	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	48
Sambu [5]	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	23
Orbita	12	14	Brit.	Pacific Steam Nav. Co.	Corral, Chile	Liverpool, Eng.	General	8,289
Athelregent [1] [2]	13	13	Brit.	H. P. Drewry	La Libertad, Ecu.	Havre, France	Crude oil	13,330
San Gil	13	13	Pan.	United Fruit Co.	Pt. Arm'les, R.P.	Mobile, Ala.	Bananas	899
Lena Luckenbach.	13	13	Amer.	Luckenbach Line	Seattle, Wash.	Mobile, Ala.	Sugar, gen.	6,124
Cathwood [1]	13	13	Amer.	Union Oil Co.	Los Angeles, Cal.	Boston, Mass.	Gasoline	8,600
Calmar	13	13	Amer.	Calmar S.S. Corp.	Portland, Oreg.	Baltimore, Md.	Lumber, gen	5,177
Wichita [2]	13	13	Amer.	Amer.-Pioneer Line	Hongkong, China	New York, N.Y.	General	7,146
Athelprincess [1] [2]	14	14	Brit.	United Molasses Co.	Hilo, P.I.	Liverpool, Eng.	Molasses	13,350
Portland [2]	14	15	Ger.	Hamburg-Amer. Line	Vancouver, B.C.	Hamburg, Ger.	General	7,523
Bodegraven	14	15	Neth.	Royal Neth. S.S Co.	Talcahuano, Chile	Hamburg, Ger.	General	7,801
Wisconsin	14	15	Fr.	French Line	Vancouver, B.C.	Havre, France	General	7,921
Rialto [2]	14	15	Ital.	Italian Line	Vancouver, B.C.	Trieste, Italy.	Wheat, gen.	8,753
Narenta	14	15	Brit.	Royal Mail Line, Ltd.	Vancouver, B.C.	Rotterdam, Holl.	General	5,792
Komaki Maru [2]	14	15	Jap.	Kokusai Kisen Kaisha	Manila, P.I.	New Orleans, La.	General	8,553
Anniston City	14	14	Amer.	Isthmian S.S. Lines	Port Allen, T.H.	N. A.ports, U.S.A.	Sugar	8,432
Taranger	14	14	Nor.	Interocean Line	Vancouver, B.C.	Rotterdam, Hol.	([18])	7,060
Wilhelm A. Riedemann [1] [2]	14	15	Ger.	Anglo-Amer. Oil Co.	Talara, Peru	Fawley, Eng.	Crude oil	15,187
Lillian Luckenbach.	15	15	Amer.	Luckenbach Line	Seattle, Wash.	Providence, R.I.	General	7,389
Silver Spray [5]	...	...	Amer.	Otis Barton	Balboa, C.Z.	Cristobal, C.Z.	Ballast	...
Santa Maria [2]	15	15	Amer.	Grace Line	Valpariso, Chile.	New York, N.Y.	General	3,982
Gen'l W. M. Graham. [11]	...	...	Amer.	U.S. Army	Pedro Miguel, C.Z	Cristobal, C.Z.	...	...

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [6] Yacht. [7] Submarine. [11] Mine planter.
[13] For orders. [14] Gasoline and lubricating oil. [15] Sugar and canned goods. [16] Nitrates and sulphur.
[17] Wheat, lumber, general. [18] Wheat, fruit, general.

Steering Orders

THE PANAMA CANAL, EXECUTIVE DEPARTMENT,
BALBOA HEIGHTS, C.Z., *February 7, 1934.*

To all concerned.—On and after March 20, 1934, steering orders on all vessels operating in Canal Zone waters shall be given in the direct sense and the terms RIGHT and LEFT shall be used; that is, when the ship is going ahead an order containing the word RIGHT shall only be used when it is intended that the wheel, the rudder blade and the ship's head shall all move to the right. Examples: "Right Rudder"; "Right Full Rudder"; "Right a Little."

C. S. RIDLEY,
Acting Governor.

Notice to Mariners

Republic of Panama, Pacific Coast, Bahia Honda, additional shoals discovered. The U.S.S. *Hannibal* reports by radio that while sounding for tide gauge locations in Bahia Honda, the following additional shoals were discovered:

Referring to Hydrographic Office Chart No. 1,040 the shoal north of Guarida Point extends 175 yards farther north than shown, with a minimum depth of 4 feet on the north end.

The shoal shown to the northeast of Penoso Point joins the mainland with a minimum depth of 4 feet.

A new shoal bearing 286 degrees 550 yards from the center of Sapo Island extends 175 yards east and west by 125 yards north and south, with a minimum depth of 4 feet.

An additional shoal extends from the mainland north of Chinches Island to a point 525 yards bearing 49 degrees from the center of Chinches Island, with a minimum depth of 4 feet.

Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices, including the 25 percent surcharge, to individuals and companies, effective January 31, 1934:

Commodities	Unit	Price
Brass, bar, average	Lb.	$0.14
Brass, sheet, average	Lb.	.25
Bronze, Tobin, average	Lb.	.20
Gasoline, motor grade	Gal.	.105
Metal, yellow	Lb.	.19
Oakum, Navy, spun	Lb.	.18
Oakum, Navy, unspun	Lb.	.16
Oil, gun and ice machine	Gal.	.25
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, medium, in drums, No. 2135	Gal.	.34
Oil, engine, gas, extra heavy, in cases, No. 2250	Gal.	.29
Oil, engine, gas, extra heavy, in drums, No. 2250	Gal.	.25
Oil, kerosene, in drums	Gal.	.08
Oil, marine engine	Gal.	.31
Paint, lead, white, dry	Lb.	.11
Paint, lead, white, in oil	Lb.	.09
Paint, zinc oxide, dry	Lb.	.08
Paint, zinc oxide, in oil	Lb.	.10
Grease, gear, chain and wire rope, lubricating	Lb.	.04
Grease, yellow, cup, No. 3, medium	Lb.	.06
Grease, yellow, cup, No. 5, hard	Lb.	.06
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.06
Waste, cotton, white	Lb.	.08

Information from American Consuls

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXVII. Balboa Heights, C.Z., March 15, 1934. No. 8.

Traffic Through the Panama Canal in February 1934

The total vessels of all kinds transiting the Canal during the month of February in the two preceding years and in 1934 are shown in the following tabulation:

Class of vessel	February 1932	February 1933	February 1934		
			Atlantic to Pacific	Pacific to Atlantic	Total
Commercial ocean vessels	358	368	243	225	468
Launches (under 20 tons net)	7	11	10	6	16
Noncommercial vessels:					
U.S. Government	98	39	19	16	35
Total	463	418	272	247	519

COMMERCIAL TRAFFIC.[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried and tolls collected, from the commercial traffic transiting the Canal each month for the 12-month period ended February 28, 1934, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1932-33	1933-34	1932-33	1933-34	1932-33	1933-34	1932-33	1933-34
March	363	399	1,864,896	1,989,044	1,643,952	1,738,227	$1,645,366.81	$1,718,908.41
April	370	370	1,863,692	1,839,597	1,443,731	1,527,978	1,608,634.67	1,554,250.14
May	357	372	1,956,958	1,883,249	1,676,790	1,629,982	1,717,401.26	1,617,943.65
June	336	364	1,743,150	1,901,117	1,404,558	1,691,247	1,534,793.19	1,629,411.28
July	326	401	1,676,492	2,051,128	1,259,981	1,699,039	1,468,728.36	1,732,164.93
August	314	416	1,658,112	2,159,995	1,349,453	1,914,014	1,440,848.87	1,829,754.49
September	353	408	1,868,391	2,096,538	1,347,144	1,797,497	1,598,265.98	1,758,587.41
October	394	467	1,988,133	2,416,200	1,582,261	2,125,927	1,714,779.06	2,036,909.16
November	388	463	2,035,796	2,395,359	1,531,509	1,949,913	1,756,865.84	2,001,692.77
December	431	496	2,080,069	2,617,656	1,621,581	2,191,683	1,781,940.03	2,204,134.64
January	415	500	2,069,218	2,582,131	1,463,503	2,087,292	1,762,808.56	2,160,679.83
February	368	468	1,832,658	2,462,760	1,434,862	2,124,440	1,575,708.35	2,079,696.80
Total	4,415	5,124	22,637,565	26,394,774	17,759,325	22,477,239	19,606,140.98	22,324,133.51

[1] Commercial traffic includes all ocean-going vessels paying tolls. Naval and other vessels owned and operated in the government service of the United States and Panama, war vessels of Colombia, and vessels transiting solely for repairs, are exempt from the payment of tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Traffic by Nationality of Vessels for February 1934

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	121	[1] 690,483	559,734	Italian	7	37,121	34,949
Chilean	1	4,167	.....	Japanese	23	126,243	118,953
Danish	11	54,920	32,431	Norwegian	32	157,118	114,850
Danzig	7	52,883	44,782	Panamanian	26	20,801	9,471
Dutch	9	59,831	47,709	Peruvian	1	1,587	814
Finnish	1	4,471	6,600	Swedish	11	53,383	66,910
French	7	40,486	23,709	United States	181	1,057,279	979,225
German	25	92,283	69,343	Venezuelan	2	1,448	1,050
Greek	2	8,208	13,908				
Honduran	1	48	2	Total	468	2,462,760	2,124,440

[1] Includes 2 naval vessels of 2,450 tons displacement in transits, but not in tonnage.

Traffic by Trade Routes, January 1934

The movement of vessels over trade routes is summarized in the following table. They are classified according to primary origin and ultimate destination of the voyage through the Canal and the cargo listed is the total aboard at time of transit. Cargo may be laden or discharged between the terminal areas indicated, hence in the cargo listed below there may be some which had other origin or destination:

Trade routes	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	63	370,749	124,038	69	426,128	620,347
East coast of United States and:						
Canada	1	5,450	6,217	2	9,451	12,602
Central America	1	1,990	.....	2	4,291	2,199
South America	18	79,702	8,105	13	49,532	107,537
Hawaiian Islands	2	10,845	4,509	5	25,377	42,272
Australasia	4	21,114	17,165	1	4,375	7,000
Philippine Islands	4	31,848	18,936	14	81,431	106,828
Far East	27	146,892	152,399	2	11,150	9,774
Europe and:						
United States	8	36,846	.....	7	29,363	30,526
Canada	33	187,819	27,762	43	244,293	339,996
Central America	3	9,879	4,076	1	1,967	2,900
South America	23	133,927	24,495	23	129,128	211,481
Hawaiian Islands	2	17,153	8,487	1	6,276	13,350
Australasia	13	103,297	27,564	11	99,521	73,923
Far East	.....	.....	.....	1	4,419	7,621
Canadian intercoastal	.....	.....	.....	1	2,207	3,200
East coast of Canada and:						
South America	.....	.....	.....	3	18,416	38,686
Australasia	2	9,922	8,583	1	4,184	1,750
Far East	1	6,616	1,683	.....	.....	.....
Central American intercoastal	1	48	2	.....	.....	.....
South American intercoastal	2	6,865	12,764	1	724	.....
East coast of South America and:						
United States	1	5,019	1,664	.....	.....	.....
Canada	1	5,024	3,685	2	10,144	10,195
Far East	1	7,624	4,754	.....	.....	.....
Cristobal and:						
United States	.....	.....	.....	1	2,606	1,174
Central America	6	4,201	1,184	2	1,445	1,401
South America	7	4,819	1,967	8	5,850	6,273
Balboa	4	173	.....	7	323	402
West Indies and:						
United States	3	20,245	.....	.....	.....	.....
South America	2	4,891	1,050	.....	.....	.....
Around the world	2	16,990	5,284	1	6,037	6,630
Foreign vessels in ballast (U.S. intercoastal)	6	31,528	.....	.....	.....	.....
Vessels not engaged in commerce	[1] 2	2,573	.....	[2] 3	73	.....
Total	243	1,284,049	466,373	225	1,178,711	1,658,067

[1] Yachts. [2] Two naval vessels, 1 yacht.

Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in February 1934 and its destination by major geographical trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	136,003	13,171	167,711	6,302	15,455	338,642
Other North America	978	3,292	1,208	6,086	10,348	21,912
Europe	16,114	19,368	.....	22,369	27,225	85,076
Miscellaneous	5,732	70	1,607	13,076	258	20,743
Total	158,827	35,901	170,526	47,833	53,286	466,373

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	624,914	8,043	145,985	5,870	784,812
Canada	1,620	8,691	217,280	4,680	232,271
Other North America	47,718	5,192	19,012	.....	71,922
South America	104,320	49,082	209,335	.....	362,737
Australasia	8,060	784	73,829	.....	82,673
Asia	114,643	1,388	7,621	.....	123,652
Total	901,275	73,180	673,062	10,550	1,658,037

Principal Commodities

Commodities which aggregated 10,000 or more tons either during February 1934 or in the corresponding month in 1933 are listed below:

Commodity	February		Commodity	February	
	1933	1934		1933	1934
Atlantic to Pacific	*Long tons*	*Long tons*	*Pacific to Atlantic*—Continued	*Long tons*	*Long tons*
Automobiles and parts	7,488	13,076	Cold storage (food products) [1]	22,621	54,146
Cotton, raw	39,461	36,731	Flour	16,828	28,294
Iron and steel, manufactures of	37,813	70,511	Fruit, dried	20,868	21,658
Nitrates	6,174	10,704	Fruit, fresh	30,561	45,837
Oils, mineral	18,782	24,842	Lumber	108,351	170,946
Paper	18,218	21,650	Metals	23,189	39,796
Phosphates	15,501	29,300	Molasses and syrups	.....	22,354
Scrap metal	18,999	42,169	Nitrates	33,259	108,706
Sulphur	12,330	13,559	Oils, mineral	307,027	519,846
Tinplate	8,492	23,062	Oils, vegetable	2,813	15,197
			Ores, principally iron	9,596	76,926
Pacific to Atlantic			Paper	6,003	10,408
Barley	18,710	13,464	Sugar	121,085	136,294
Beans	10,054	14,223	Wheat	211,626	152,132
Canned goods, various	51,824	53,453	Wood pulp	4,554	10,959
Coffee	19,723	16,804	Wool	9,791	19,232

[1] Does not include fresh fruit.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of February 1934, as reported in the cargo declarations, showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise, but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts	.....	.....	45	.....
Agricultural implements	1,249	56	2,325	59
Alfalfa meal	.....	1,438	.....	2,166
Ammonium compounds	100	.....	5,646	6,903
Animal foods [1]	38	839	38	989
Apparel, wearing (hats, shoes, clothing, etc.)	110	.....	126	25
Asbestos	530	.....	2,302	.....
Asphalt and tar	472	80	5,231	409
Automobiles (and autotrucks)	2,344	13	5,335	23
Automobile parts and accessories	765	85	7,741	85
Bags and bagging, textile	195	14	1,343	782
Bananas	.....	.....	.....	5,553
Barks, miscellaneous	.....	23	.....	402
Barley	.....	316	.....	13,464
Beans, edible, dry	102	6,695	136	14,223
Beer	.....	245	15	245
Beverages, nonalcoholic	180	.....	191	.....
Blood and tankage	.....	.....	.....	241

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Bones and bone meal	.....	.....	643	.....
Books and printed matter	126	.....	175	.....
Borax	.....	648	220	5,437
Bran and pollards	.....	262	.....	4,413
Bricks and tile	15	.....	609	.....
Camphor, crude	.....	.....	.....	110
Canned and preserved goods:				
Fish	151	8,911	375	13,176
Fruit	974	13,955	980	25,163
Meat	103	18	484	187
Milk	.....	135	147	601
Soup	1,646	140	1,671	140
Vegetables	1,277	3,021	1,288	3,357
Miscellaneous and unclassified	2,637	9,855	2,756	10,829
Carbon black	81	.....	332	.....
Celite	.....	254	.....	254
Cement	715	.....	8,695	.....
Chalk	.....	.....	395	.....
Charcoal	60	.....	60	.....
Chemicals [1]	2,889	930	8,649	1,156
Clay, china and fire	330	12	581	12
Clorox	.....	46	.....	46
Coal	1,447	.....	8,472	.....
Cocoa and cacao beans	40	42	579	730
Coconuts and products [1]	.....	835	26	1,163
Coffee	591	106	6,080	16,804
Coke	18	.....	2,221	.....
Cold storage and refrigerated products:				
Dairy products	19	7	178	30,348
Eggs	.....	110	.....	110
Fish	.....	188	17	1,261
Lard	140	.....	155	.....
Meats	.....	.....	72	21,590
Poultry	.....	470	16	470
Vegetables	.....	.....	179	7
Other and unclassified	.....	7	4	360
Confectionery	1,085	.....	1,150	.....
Copra	.....	.....	.....	4,554
Copra meal and cake	.....	.....	.....	1,404
Corn	1,353	.....	1,606	.....
Cotton, raw	119	967	36,731	2,981
Creosote	.....	.....	20	.....
Drugs and medicines	792	20	814	20
Dyes	368	.....	1,113	.....
Earthenware	15	16	266	16
Electrical apparatus and appliances	333	39	410	175
Explosives	20	58	658	87
Extract, quebracho	.....	.....	807	.....
Fertilizers [1]	46	72	153	197
Fish, salted or dry-cured	.....	.....	2	24
Fish meal	.....	495	.....	2,408
Floor coverings	400	939	403	1,188
Flour	561	22,693	1,742	28,294
Fruit, dried	15	11,704	143	21,658
Fruit, fresh [1]	.....	2,118	205	45,837
Furniture and household goods	125	156	133	158
General	14,126	7,747	33,384	16,685
Glass and glassware	2,291	108	3,958	130
Glue	33	79	114	79
Groceries	783	.....	977	30
Gums	.....	15	.....	90
Hair, all kinds	90	35	90	35
Hay	.....	26	.....	61
Hemp, unmanufactured	214	164	414	2,788
Honey	.....	72	.....	127
Horns and hoofs	36	.....	61	71
Infusorial earth	.....	638	19	973
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	40,378	769	70,511	785
Ivory nuts	.....	.....	232	2,407
Jute, unmanufactured	.....	.....	74	.....
Lard substitute	492	.....	492	.....
Lime	45	.....	135	.....
Liquors	852	216	2,035	222
Lumber (including manufactured mill products)	574	67,628	1,884	170,946
Machinery (other than electrical)	3,026	490	6,073	659
Malt	.....	.....	438	.....
Manufactured goods [1]	3,046	386	4,638	396
Marble and granite	81	.....	116	.....
Matches	495	116	526	123

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Metals:				
Antimony	.....	91	.....	341
Copper	414	6,499	1,029	24,340
Gold and silver	32	2	44	27
Iron	8	31	439	31
Lead	10	450	2,458	8,762
Scrap	180	85	42,169	451
Tin	42	.....	507	225
Zinc	56	777	1,086	6,011
Other and unclassified	42	27	86	59
Milk, powdered	.....	366	104	1,287
Molasses and syrups	463	.....	490	22,354
Nitrates	.....	22	10,704	108,706
Nuts, edible (including meats)	294	399	313	1,119
Oats	114	4,016	124	7,363
Oils, mineral:				
Crude	940	13,926	960	108,418
Gas and fuel	30	274,962	11,980	291,869
Gasoline, benzine and naphtha	.....	67,936	1,455	90,068
Kerosene	5	27,624	40	27,639
Lubricating and greases	5,103	1,711	10,407	1,806
Other and unclassified	.....	.....	.....	46
Oils, vegetable:				
Coconut	.....	449	.....	12,628
Cottonseed	318	.....	338	10
Linseed	19	.....	374	19
Olive	.....	6	331	6
Rapeseed	.....	.....	5	112
Wood	36	55	43	505
Other and unclassified	131	20	476	1,917
Oil, fish	50	5	56	880
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	50	131	50	704
Oilseed cake and meal	.....	153	98	4,188
Ores:				
Chrome	169	.....	169	7,000
Copper	.....	.....	.....	110
Iron	.....	.....	.....	65,002
Lead	.....	23	.....	1,168
Magnesite	.....	277	.....	277
Manganese	496	.....	496	305
Tin	.....	.....	.....	1,937
Zinc	.....	.....	65	1,118
Other and unclassified	.....	9	.....	9
Paints and varnishes	602	105	1,081	209
Paper and paper products [1]	7,224	6,494	21,650	10,408
Paper scrap	45	366	145	366
Peanuts	776	146	780	146
Peas, dry	.....	.....	.....	170
Peatmoss	.....	.....	141	.....
Phosphates	70	.....	29,300	.....
Porcelainware	286	460	482	2,561
Potash	.....	2,620	327	2,620
Pyrethrum flowers	89	.....	89	.....
Rags and waste	73	79	748	185
Railroad material	478	.....	5,805	.....
Rice	269	857	305	3,679
Rope and twine	299	14	459	197
Rosin	766	.....	1,939	.....
Rubber:				
Manufactured	947	91	1,241	183
Raw	.....	.....	.....	480
Scrap	.....	98	.....	176
Salt	778	.....	3,953	.....
Sand	551	.....	1,321	51
Seeds (except oilseeds)	633	791	1,091	1,202
Shells, oyster	457	.....	457	.....
Silk, raw	.....	919	12	2,024
Skins and hides	.....	2,862	82	5,888
Slag	.....	252	820	252
Soaps and products	1,582	114	1,671	319
Soda and sodium compounds	715	.....	2,100	1,200
Soy beans	196	.....	280	7,621
Sugar	.....	18,302	58	136,294
Sulphur	7,559	.....	13,559	240
Talc	47	208	67	208
Tallow	.....	71	87	1,458
Tea	2	.....	137	993
Textiles [2]	3,558	59	6,824	1,504
Tinplate	6,080	.....	23,062	.....
Tobacco and manufactures	1,060	32	5,484	95

[1] Except as otherwise classified. [2] Cotton, silk, wool, rayon goods.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Toilet preparations	185	21	200	21
Turpentine	50	.....	79	.....
Vegetables, dry [1]	.....	42	55	5,154
Wall board	21	.....	21	600
Wax, paraffin	40	.....	607	233
Wheat	.....	12,283	.....	152,132
Wines	161	794	867	1,309
Wood pulp	182	7,869	2,566	10,959
Wool	82	1,391	465	19,232
Total, February 1934	136,003	624,914	466,373	1,658,067
Total, February 1933	111,266	372,907	338,249	1,096,613
Total, February 1932	153,371	303,333	526,838	1,118,555

[1] Except as otherwise classified.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during February 1934, classified according to trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	21	123,261	.....	32	196,459	385,673
East coast of United States and South America	2	13,983	.....	.....	.....	.....
East coast United States and Hawaiian Islands	.....	.....	.....	1	4,286	[2] 9,004
East coast United States and Philippine Islands	.....	.....	.....	1	3,815	[1] 6,660
South American intercoastal	1	5,278	11,950	1	724	.....
East coast of Canada and South America	.....	.....	.....	3	18,416	38,686
West Indies and United States	2	15,414	.....	.....	.....	.....
West Indies and South America	1	724	1,050	.....	.....	.....
Europe and United States	2	11,432	.....	1	4,641	8,250
Europe and South America	6	44,772	.....	6	43,673	86,595
Europe and Hawaiian Islands	.....	.....	.....	1	6,276	[2] 13,350
Total	35	214,864	13,000	46	278,290	548,218

[1] Coconut oil. [2] Molasses.

Comparison of Canal Traffic in February 1934 with February Traffic in Previous Years

Calendar year	Month of February			Fiscal year	Average per month for fiscal year		
	Commercial transits	Panama Canal net tonnage	Tons of cargo		Commercial transits	Panama Canal net tonnage	Tons of cargo
1915	[1] 91	317,397	423,597	1915	[2] 102	361,197	465,567
1916	4	694	.....	1916	63	199,687	257,843
1917	134	462,957	547,436	1917	150	483,213	588,213
1918	155	487,162	478,368	1918	172	547,839	627,669
1919	155	512,078	563,357	1919	169	510,416	576,385
1920	208	703,462	780,488	1920	206	712,170	781,208
1921	241	916,838	952,904	1921	241	951,323	966,601
1922	212	886,535	838,074	1922	228	951,455	907,075
1923	326	1,529,547	1,563,278	1923	331	1,550,482	1,630,656
1924	418	2,108,879	2,243,616	1924	436	2,179,073	2,249,559
1925	379	1,789,447	1,839,619	1925	389	1,904,596	1,996,570
1926	424	1,991,127	2,139,207	1926	433	2,064,549	2,169,787
1927	449	2,201,328	2,230,107	1927	456	2,185,651	2,312,351
1928	547	2,460,111	2,660,425	1928	538	2,454,886	2,469,226
1929	522	2,428,530	2,550,498	1929	534	2,468,483	2,555,250
1930	491	2,369,255	2,377,900	1930	515	2,498,385	2,502,519
1931	431	2,134,866	1,930,219	1931	461	2,316,012	2,090,233
1932	358	1,878,177	1,645,393	1932	376	1,968,785	1,650,667
1933	368	1,832,658	1,434,862	1933	375	1,901,823	1,514,811
1934	468	2,462,760	2,124,440	([3])	452	2,347,721	1,986,226

[1] Canal opened August 15, 1914. [2] Average for 10½ months. [3] Average for 8 months of fiscal year

Terminal Activities

Ships repaired during the month of February 1934 numbered 59, including 15 which were drydocked. Fuel oil in the quantity of 439,748 barrels was delivered as bunkers to 150 commercial vessels. Bunker coal amounting to 4,152 tons was delivered to 17 vessels. Sales of commissary supplies to ships amounted to $41,547.41.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving.....tons..	70,200	22,240	92,440
Local cargo shipped.....tons..	4,362	352	4,714
Cargo received for transshipment.....tons..	34,086	1,212	35,298
Cargo transshipped.....tons..	31,139	684	31,823
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	9	6	15
Number of releases issued.....	31	24	55
Tons received.....	59	14	73
Tons withdrawn.....	95	14	109

All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
Ships entering						
All vessels, including those transiting Canal..	532	3,650,355	2,156,841	461	2,969,835	1,782,380
Vessels entering port but not transiting Canal.	74	689,749	378,447	13	47,431	23,999
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	109	737,513	429,056	85	605,681	349,643
Ships clearing						
All vessels, including those transiting Canal..	540	3,689,823	2,181,446	472	3,046,255	1,826,415
Vessels clearing port but not transiting Canal.	78	686,312	377,358	13	56,885	29,781
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	110	745,266	433,410	86	611,465	353,156

Cargo Discharged and Laden in Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, February 15, 1934, to midnight, March 15, 1934. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Santa Clara, 0, 408
Santa Ana, 0, 461
Vogtland, 0, 640
Veragua, 396, 84
San Clemente, 87, 0
Costa Rica, 111, 14
Zacapa, 1,207, 303
Colombia, 233, 266
Calamares, 474, 366
Salvador, 728, 778
Cali, 1,189, 346
Durazzo, 0, 486
Buenaventura, 0, 106
Bodegraven, 2 pkgs, 401
Pres. Wilson, 446, 0
Veragua, 8, 216
Europa, 0, 37
Santa Inez, 579, 0
San Blas, 1 case, 4
Santa Monica, 1,436, 0
Contessa, 124, 620
Real, 42, 7
Istmo, 560, 498
Damsterdijk, 252, 57
Nalon, 0, 124
Orduna, 36, 259
Orazio, 109, 520
Velma Lykes, 213, 138
President Taft, 2, 0
Nansenville, 0, 700
Ancon, 1,181, 525
Quirigua, 346, 37
Los Angeles, 45, 198
Santa Teresa, 909, 148
Metapan, 669, 249
Endurance, 0, 4½
Lautaro, 52, 45
Costa Rica, 0, 1,041
Cerigo, 1,213, 0
Santa Rosa, 395, 122
Haiti, 204, 651
Toloa, 460, 177
Caribia, 239, 11
Tai Ping, 705, 0
Patrician, 88, 0
Mantilla, 5,654, 0
Klondyke, 0, 3½
Buenos Aires, 0, 241
Quirigua, 48, 206
San Simeon, 32, 0
Charles G. Black, 16,806, 0
Santa Lucia, 253, 91
Boskoop, 69, 410
Dovrefjell, 8,246, 0
Can. Scottish, 0, 755
Cuba, 76, 796
Cefalu, 269, 598
Real, 32, 45
Sambu, 17, 15½
Lochgoil, ½, 128½
San Antonio, 21, 4
Santa Barbara, 845, 2 pkgs.
Oakland, 41, 131
Oregon, 178, 147
Canadian Victor, 11, 556
Erlangen, 55, 495
Guayaquil, 721, 520
Peten, 444, 87
Pres. Garfield, 3, 0
Sixaola, 424, 441
Virgilio, 123, 11
Kreta, 7, 1,825
Smyrna, 21, 121
Simon Bolivar, 131, 0
Gisla, 241, 0
Montreal Maru, 425, 0
Ulua, 493, 410
Pastores, 163, 973
Istmo, 658, 335
Axel Johnson, 0, 396
Cerigo, 108, 519
Acajutla, 745½, 661
Manizales, 1,153, 493
Leise Maersk, 8, 0
Santa Elisa, 102, 247
President Pierce, 176, 1
Darian, 132, 0
Hokuroku M., 1187, 99
Peten, 32, 31¾
John D. Archbold, 3, 0
St. Monica, 1,200, 889
San Gil, 0, 1
Tacoma, 228, 660
Contessa, 170, 332
Santa Isabel, 867, 76
West Ira, 12, 55
Lochkatrine, 107, 61
Caribia, 77, 668
Cristobal, 1,315, 808
Veragua, 296, 60
Marie Bakke, 145, 0
St. Marta, 1,108, 327½
Maravi, 0, 2,200½
Santa Cecilia, 1,278, 78
San Bernardino, 117, 0
Colombia, 102, 873
Calamares, 362, 275½
Santa Elena, 546, 215
Durazzo, 1,212, 650
Simon Bolivar, 1 case, 722
Attika, 90, 630½,
Reina d.Pacifico,373,57
Santa Olivia, 208, 70
Knute Nelson 0, 558
Veragua, 96, 306
Santa Paula, 486, 54
Amasis, 436, 157
Samuel Bakke 119, 0
Taketoyo Maru 340, 0
Cefalu, 149, 213
R. L. Hustler, 1½, 0
Corbis, 11,883, 0
Sambu, 15, 5
Arminda, 850, 0
Drechtdijk 0, 240
Vigilant 0, 16
California, 34, 0
Colombie, 109, 4 pkgs.
Fella, 0, 480
Santa Clara, 620, 296
Buenaventura 1,203, 0
American Star, 183, 0
Tex.Shipper, 1 pkg.,370
Vancouver, 58, 0
Istmo, 669, 0
Can. Conqueror, 84, 57
Juan Sebastian Elcano, 90, 0

BALBOA

Santa Clara, 60, 131	Buenos Aires, 232, 0	San Mateo, 195 lbs., 0	Santa Monica, 0, 2	Santa Elena, 94, 3
Santa Ana, 32, 0	Santa Teresa, 34, 0	Santa Barbara, 18, 0	San Gil, 1, 0	Santa Olivia, 86, 69
Santa Maria, 12,699,0	California, 87, 0	Ludington, 144, 1	Hciyo Maru, 0, 45	Santa Paula, 125, 0
Chat. Thierry, 561, 160	West Mahwah, 1,998, 0	Pres. Garfield, 1, 18	Marie Bakke, 106, 0	San Blas, 1, 0
Antigua, 267, 41	Talamanca, 218, 71	Acajutla, 438 lbs., 0	Circe Shell, 11,832, 0	Nuevo Panama, 0, 56
Santa Inez, 153, 0	Santa Rosa, 69, 82	Santa Elisa, 68, 60	Virginia, 65, 0	Santa Maria, 243, 0
Istmo, 66, 0	Tai Ping, 173, 0	Chiriqui, 514, 45	Knute Nelson, 2, 0	Chat. Thierry, 157, 18
President Taft, 2, 0	Santa Lucia, 41, 0	Point Arena, 4,940, 0	Samuel Bakke, 75, 22	

Passengers

Ocean ship passengers disembarking at Cristobal numbered 1,710; embarking, 1,607; at Balboa, 923 disembarking and 703 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 3,624; from the Pacific to the Atlantic, 2,840. Aircraft numbering 40 entered Cristobal, and 122 passengers disembarked; clearances were 40, with 99 passengers embarking. There were no entries or clearances of aircraft at Balboa.

Supplement to Navigation Regulations—Hazardous Cargoes

The Panama Canal issued under date of February 15, 1934, Supplement No. 4 to the Navigation Regulations, establishing regulations for the transportation of hazardous cargoes in Canal Zone waters. The new regulations become effective one month from date of issue, *i.e.*, on March 15, 1934, except that when structural changes in vessels are necessary to meet the requirements of the regulations a period of six months from date of issue will be allowed in which to make such changes, *i.e.*, until August 15, 1934.

The regulations are based on those prescribed by the Interstate Commerce Commission of the United States and on modern commercial safety practices, with some modifications as required by the special conditions encountered in the transit of vessels through the Panama Canal.

Copies of the supplement have been distributed to the offices of steamship lines and agencies on the mailing list of The Panama Canal.

Supplement to Tariff No. 11—Drydocks

Rates for use of the rebuilt 385-foot drydock at Cristobal were published by The Panama Canal in Supplement No. 8 to Tariff No. 11, dated January 18, 1934, to be effective February 1, 1934. They are based on tonnage measurement and are the same as for the 1,000-foot drydock at Balboa, namely, 15 cents per ton for the docking day, 12 cents per ton for each lay day. On merchant steamers and army and navy transports, colliers, hospital ships and supply ships the charges are per gross ton, Panama Canal measurement; on merchant sailing vessels they are per net ton, Panama Canal measurement; and on men-of-war the charges are per ton, actual displacement tonnage. The proviso is made that where the actual cost to The Panama Canal is greater than the charges levied under the scale quoted, minimum charges as indicated below will apply. The minimum charge for drydocking will be the actual cost of setting blocks and hauling the vessel, plus per diem charges to cover pumping, supervision and the use of the drydock, applied as follows:

	Balboa	Cristobal
When drydocked alone:		
For the first day	$250.00	$100.00
For each lay day	125.00	60.00
When drydocked with other vessels in pay status:		
For the first day	125.00	60.00
For each lay day	62.50	30.00
Except that for vessels of less than 125 gross tons, Panama Canal measurement, the charges will be:		
For the first day		40.00
For each lay day		30.00

Notices to Mariners

Panama Canal notice to mariners No. 268, February 23, 1934, transmitted the following report from the master of the S.S. *Bodegraven* concerning shoals in Buenaventura River:

On February 11, 1934, at 6:55 a.m., Colombian time (75th Meridain), the S.S. *Bodegraven* touched ground lightly in a position at latitude 3° 49′ 42″ N., longitude 77° 9′ 56″ W. Bearings taken immediately: Soldado Point, 223° true; west side of Basan Point, 286° true. The point with 4½ fathoms of water on it has shoaled to the north.

At 7:18 a.m. the steamer again touched lightly in latitude 3° 51′ 40″ N., and longitude 77° 6′ 32″ W. Bearings taken immediately: Arena Point, 31° true; Limones Point, 174° true. The 5 fathom patch has dried.

The draft of the *Bodegraven* was 25 feet and 3 inches. It was about one hour before low water.

Panama Canal. Aids to Navigation, Entrance to Gaillard Cut. Gas buoy No. 94 at entrance to Gaillard Cut which was discontinued on March 6, 1934, due to dredging operations, was replaced March 12, 1934.

Movements of Ocean Vessels Through the Panama Canal

From midnight February 15, 1934, to midnight March 15, 1934

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Paul Luckenbach.	15	16	Amer..	Luckenbach Line....	Boston, Mass....	Seattle, Wash...	General.....	3,523
West Notus.....	15	16	Amer..	McCormick S.S. Co..	New York, N.Y.	Seattle, Wash...	General.....	2,206
Coptic [2].....	16	17	Brit...	Shaw, Savill & Albion.	Liverpool, Eng..	New Zealand....	Ballast.....	.....
Sveadrott [2].....	16	16	Swed..	Stock'lm Rederi Svea.	Oslo, Norway...	Guayaquil, Ecuad	General.....	1,692
Santa Ana.....	15	16	Amer..	Panama Mail S.S. Co.	New York, N.Y.	S. Francisco, Cal.	General.....	1,361
San Clemente....	16	16	Amer..	Quaker Line.....	New York, N.Y.	Tacoma, Wash..	General.....	1,964
Franz Klason [1] [2].	16	16	Danz..	W. Tankschiff Rhed'i.	Hamburg, Ger...	Talara, Peru....	Ballast.....	.....
Santa Clara.....	15	17	Amer..	Grace Line.....	New York, N.Y.	Valparaiso, Chile.	General.....	2,454
Vogtland [2].....	15	16	Ger....	Hamburg-Amer. Line.	Hamburg, Ger...	Valparaiso, Chile.	General.....	2,789
Alaska.....	16	16	Nor...	Chilean Nitrate Sales.	Norfolk, Va.....	Chile.....	Ballast.....	.....
Hadleigh.....	16	17	Brit...	Canadian Transp. Co.	Barry, Eng.....	Vancouver, B.C..	Ballast.....	.....
Flomar.....	16	17	Amer..	Calmar S.S. Corp....	Philadelphia, Pa.	Seattle, Wash...	Steel, gen...	7,103
Belpareil [2].....	17	17	Nor...	Anglo-Can. Ship. Co..	Stavenger, Nor..	Vancouver, B.C..	Ballast.....	.....
Chateau Thierry [8].	17	...	Amer..	U.S. Army.....	New York, N.Y.	Balboa, C.Z.....	General.....	226
Otaio [2].....	17	18	Brit...	N.Z. Shipping Co....	Liverpool, Eng..	Auckland, N.Z...	General.....	8,205
Jufuku Maru....	18	18	Jap...	Fuso Kasun Kaisha..	Hamburg, Ger...	Portland, Oreg...	Ballast.....	.....
San Mateo.....	18	18	Amer..	United Fruit Co.....	Mobile, Ala.....	Guayaquil, Ecuad	Ballast.....	.....
Mathew Luckenbach.	18	18	Amer..	Luckenbach-Gulf Line	Houston, Tex....	Tacoma, Wash..	Gen., grain..	5,105
Astoria [2].....	18	18	Dan...	Orient S.S. Co.....	London, Eng....	Vancouver, B.C..	Ballast.....	.....
Bralanta [1] [2].....	18	18	Nor...	Anglo-Sax. Pet. Co...	Willem'd, D.W.I.	Los Angeles, Cal.	Ballast.....	.....
Durazzo.....	10	18	Ger...	Hamburg-Amer. Line.	Cristobal, C.Z...	Guayaquil, Ecuad	General.....	325
Romsdalshorn....	18	18	Nor...	Jacob R. Olsen.....	Tyne, Eng.....	Tocopilla, Chile..	Ballast.....	.....
Retriever [1] [3].....	...	...	Amer..	U.S. Navy.....	Cristobal, C.Z...	Gatun, C.Z.....	Ballast.....	.....
Katrina Luckenbach.	19	19	Amer..	Luckenbach Line....	Boston, Mass....	Seattle, Wash...	Ballast.....	.....
Amerikaland [2]....	19	19	Swed..	Ore S.S. Corp.....	New York, N.Y.	Cruz Gr'de, Chile	Ballast.....	.....
Beaconnil [1].....	19	20	Amer..	Shell Oil Co.....	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Gulfwax [1].....	19	20	Amer..	Gulf Refining Co....	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Fernmoor [2].....	19	20	Nor...	Fern Line.....	Cor. Christi, Tex.	Yokohama, Jap..	General.....	7,028
J. Fred Talbot [9]..	20	...	Amer..	U.S. Navy.....	Key West, Fla...	San Diego, Cal..	Ballast.....	.....
K. I. Luckenbach.	20	20	Amer..	Luckenbach Line....	Mobile, Ala.....	Seattle, Wash....	Ballast.....	.....
Deerpool.....	19	20	Brit...	Sir. R. Ropner & Co.	Barry, Eng.....	Arica, Chile.....	Ballast.....	.....
Belgium Maru...	20	20	Jap...	Kokusai Kisen Kaisha	Baltimore, Md...	Yawata, Japan..	([14])	7,734
District of Columbia. [1]	20	20	Amer..	Standard Transp. Co.	Boston, Mass....	Los Angeles, Cal.	Ballast.....	.....
Silver Spray [5]....	15	...	Amer..	John McEwen.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Pirate [5].....	...	...	Amer..	E. J. Hooper.....	Cristobal, C.Z...	Gatun, C.Z.....	Bananas.....	.....
Damsterdyk [2]....	20	21	Neth..	Holland-Amer. Line..	Rotterdam, Neth.	Portland, Oreg...	General.....	1,404
Berganger [2].....	20	21	Nor...	Interocean S.S. Corp.	Rotterdam, Neth.	Vancouver, B.C..	Passengers..	.....
Georgian.....	21	21	Amer..	Williams S.S. Line....	Baltimore, Md...	Seattle, Wash...	General.....	2,216
Cressington Court. [2]	21	21	Brit...	Canadian Transp. Co.	London, Eng....	Vancouver, B.C..	Ballast.....	.....
Shohei Maru [2]....	21	21	Jap...	Mitsui & Co.....	New York, N.Y.	Dairen, Man'ria.	General.....	2,918
Baru.....	20	...	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Anglo-Saxon.....	21	21	Brit...	Anglo-Can. Ship. Co.	Liverpool, Eng..	Vancouver, B.C..	Ballast.....	.....
Appledore.....	21	21	Brit...	Anglo-Can. Ship. Co.	Baltimore, Md...	Portland, Oreg...	Ballast.....	.....
Wales Maru.....	21	22	Jap...	Kawasaki K. Kaisha..	Tampa, Fla.....	Kobe, Japan....	([15])	4,822
West Cactus.....	21	22	Amer..	McCormick S.S. Co..	Rosario, Arg....	S. Francisco, Cal.	Coffee, gen..	1,664
Santa Monica [2]...	20	22	Amer..	Panama Mail S.S. Co.	Cristobal, C.Z...	Champ'ico, Guat.	General.....	2
Sambu [2].....	20	..	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Real [2].....	20	22	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Pedregal, R.P...	General.....	5
Orduna.....	21	22	Brit...	Pacific Steam Nav. Co.	Liverpool, Eng..	Talcahuano, Chile	General.....	1,627
President Taft...	22	23	Amer..	Dollar Line.....	New York, N.Y.	S. Francisco, Cal.	General.....	3,280
Washington Express. [2]	22	22	Nor...	Fruit Express Line...	Hamburg, Ger...	N. West'r, B.C...	Ballast.....	.....
Istmo.....	20	22	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	B'ventura, Col...	General.....	500
Ethan Allen.....	21	22	Amer..	Lykes Bros.-Ripley...	Tampa, Fla.....	Osaka, Japan....	([16])	9,075
Californian [2].....	21	22	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash...	General.....	3,479
Orne.....	21	22	Fr....	Calebonickel.....	Havre, France...	Noumea, N.Caled	([17])	2,410
Orville Harden [1] [2]	22	22	Danz..	Baltic-Amer. Pet. Co.	Havre, France...	Talara, Peru....	Ballast.....	.....
Robert Luckenbach.	22	22	Amer..	Luckenbach Line....	Boston, Mass....	Tacoma, Wash..	General.....	2,888
Greystoke Castle [2]	22	22	Brit...	Barber Line.....	New York, N.Y.	Shanghai, China.	General.....	1,174
Treworlas.....	22	22	Brit...	Hain S.S. Co.....	Newcastle, Eng..	Portland, Oreg...	Ballast.....	.....
Oxelosund [2].....	22	22	Swed..	Isbrandtsen-Moller...	Chester, Pa.....	Kobe, Japan....	General.....	2,156
Langleetarn.....	22	22	Brit...	F. Carrick & Co.....	St. Thomas, V.I.	Portland, Oreg...	Ballast.....	.....
Robin Hood.....	22	23	Amer..	Luckenbach-Gulf Line	Baltimore, Md...	Los Angeles, Cal.	Ballast.....	.....
Lucky Strike [5]....	...	...	Amer..	E.F. Boehring.....	Cristobal, C.Z...	Gatun, C.Z.....	Ballast.....	.....
Gopher [5].....	...	...	Amer..	E.F. Boehring.....	Cristobal, C.Z...	Gatun, C.Z.....	.....	.....
Kwansai Maru [2]..	23	23	Jap...	Osaka Shosen Kaisha.	Boston, Mass....	Shanghai, China.	([18])	8,444
California.....	23	23	Amer..	Panama-Pacific Line..	New York, N.Y.	S. Francisco, Cal.	General.....	2,561
Silverwalnut [2]....	22	23	Brit...	Silver Line.....	Halifax, N.S.....	Singapore, St. Set.	General.....	1,683
Steel Ranger.....	23	23	Amer..	Isthmian S.S. Lines..	Portland, Me....	Vancouver, B.C..	([19])	6,217

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [8] Transport. [9] Destroyer. [13] Crane. [14] Cotton, lead, scrap iron. [15] Cotton, phosphate rock, scrap iron. [16] Coal, coke, general. [17] Sulphate of calcium. [18] Tinplate and general. [19] General, steel, wire, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Rangitane [2]	23	23	Brit...	N.Z. Shipping Co.	London, Eng.	Wellington, N.Z.	Gen., fruit	4,818
Trimountain [3]	23	23	Amer..	Home Fuel Oil Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Atheldukе [2] [3]	22	23	Brit...	United Molasses Co.	Mobile, Ala.	S.L.Obispo,Calif.	Ballast	.....
Mevania [4]	22	23	Amer..	Shell Petroleum Co.	Fall River, Mass.	Martinez, Calif.	Ballast	.....
Orion [6]	23	24	Amer..	Julius Forstmann	Miami, Fla.	Balboa, C.Z.	Ballast	.....
Buenos Aires [2]	23	24	Swed..	Johnson Line	Stockholm,Swed.	Vancouver, B.C.	General	4,472
Cumberland	24	24	Brit...	FederalSteamNav.Co.	Glasgow-Eng.	New Zealand	Ballast	.....
Atlanta City	24	24	Amer..	Isthmian S.S. Lines	Philadelphia, Pa.	Kahului, T.H.	(15)	4,509
Marguerite Finaly. [2]	24	24	Fr....	Standard Ship. Co.	Havre, France	Talara, Peru	Ballast	.....
Pomona	24	24	Amer..	Nacirema Oper. Co.	Boston, Mass.	Seattle, Wash.	General	790
Salvador	17	25	Brit...	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	600
Santa Rosa	24	25	Amer..	Panama Mail S.S. Co.	New York, N.Y.	Seattle, Wash.	General	5,000
Beljeanne [2]	24	25	Nor...	Chilean Nitrate Corp.	Liverpool, Eng.	Ant'fagasta,Chile	Ballast	.....
Cali	25	25	Ger...	North German Lloyd.	Cristobal, C.Z.	Guayaquil,Ecuad	General	346
Iwatesan Maru	25	25	Jap...	Mitsui & Co.	New York, N.Y.	Kobe, Japan	(16)	3,592
Forbes Hauptman	25	25	Amer..	McCormick S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	2,679
Panaman	25	25	Amer..	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,810
San Gil	25	25	Pan...	United Fruit Co.	Mobile, Ala.	Guayaquil,Ecuad	Ballast	.....
Pacific Ranger	26	26	Brit...	Furness, Withy & Co.	Glasgow-Eng.	Vancouver, B.C.	General	781
S-10 [7]	...	26	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-12 [7]	...	26	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-14 [7]	...	26	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Point Palmas	26	26	Amer..	Swayne & Hoyt	Houston, Texas.	Seattle, Wash.	General	4,650
S-48 [7]	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
San Simeon	26	26	Amer..	Quaker Line	New York. N.Y.	Tacoma, Wash.	General	1,739
Houston City [2]	26	26	Brit...	Sir W. R. Smith Sons.	Tampa, Fla.	Shanghai, China.	General	8,445
Nordhval [2]	26	26	Dan...	West Indian Trad. Co.	Aalborg, Den.	LaLibertad,Ecua.	Cement,cat'e	3,216
City of Athens	26	26	Brit...	Ellerman & Bucknall.	Baltimore, Md.	Dairen, Man'ria.	General	5,327
Azumasan Maru [2]	26	26	Jap...	Mitsui & Co.	New York, N.Y.	Moji, Japan	Cotton, rosin	5,878
Buenos Aires Maru. [2]	26	26	Jap...	Osaka Shosen Kaisha.	Montevideo, Ur'y	Kobe, Japan	Gen., cotton.	4,754
El Sona [3]	25	...	Pan...	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Pirate [5]	...	...	Pan...	Luis Estenoz	Cristobal, C.Z.	Gatun, C.Z.	Bananas	.....
Boskoop	26	27	Neth..	Royal Neth. S.S. Co.	Hamburg, Ger.	Corral, Chile	General	3,033
Nebraska	27	27	Brit...	Royal Mail Lines	Tyne, Eng.	Wanganui, N.Z.	Ballast	.....
Primero [2]	27	27	Nor...	Chilean Nitrate Sales.	New York, N.Y.	Iquique, Chile	Ballast	.....
S-16 [7]	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-17 [7]	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Witram	27	27	Ger...	North German Lloyd.	Bremerh'n, Ger.	Vancouver, B.C.	Ballast	.....
Mallard [10]	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Oakworth [2]	26	27	Brit...	Canadian Transp. Co.	Newcastle, Eng.	Vancouver, B.C.	Ballast	.....
Charles G. Black [1]	26	28	Amer..	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
S-13 [7]	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Eleanor Christenson.	28	28	Amer..	Sudden & Christenson	New York, N.Y.	Seattle, Wash.	General	2,119
Surrey	28	28	Brit...	FederalSteamNav.Co.	Liverpool, Eng.	Auckland, N.Z.	Ballast	.....
Brilliant [1] [2]	28	28	Amer..	Stand. Vacuum Tr'sp.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Ferncliff [2]	28	28	Nor...	Long. Is. Mach. Equip.	Savannah, Ga.	Moji, Japan	Scrap iron	7,170
Lapwing [10]	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Towingbarge	.....
Levenbridge	27	28	Brit...	Chilean Nitrate Sales.	Mobile, Ala.	Iquique, Chile	Ballast	.....
Parthenia	28	28	Brit...	Donaldson Line	Glasgow-Eng.	Vancouver, B.C.	General	678
Jacob Jones [9]	28	..	Amer..	U.S. Navy	Guantanamo	Balboa, C.Z.	Ballast	.....
Katsuragi Maru [2]	28	28	Jap...	Kokusai Kisen Kaisha	New York, N.Y.	Yokohama, Jap.	(17)	7,016
Ville de Verdun	28	28	Fr....	Messageries Marit's.	Marseille, France	Noumea,N.Caled	Gen., wine	1,374
New Orleans [2]	28	28	Amer..	Roosevelt S.S. Co.	Baltimore, Md.	Hongkong, China	General	4,058
Hawaiian	28	28	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	1,897
Real [3]	27	..	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pedregal, R.P.	General	39
Sambu [3]	27	..	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pedregal, R.P.	General	10
Gen. Wm. M. Graham. [11]	...	...	Amer..	U.S. Army	Cristobal, C.Z.	Ped. Miguel, C.Z.	Ballast	.....
San Antonio	28	3-1	Fr....	French Line	Havre, France	Vancouver, B.C.	Gen., coke	2,672
Daphne [13]	27	...	Amer..	U.S. Navy	New York, N.Y.	San Diego, Calif.	Ballast	.....
Perseus [13]	27	...	Amer..	U.S. Navy	New York, N.Y.	San Diego, Calif.	Ballast	.....
Calypso [13]	27	...	Amer..	U.S. Navy	New York, N.Y.	San Diego, Calif.	Ballast	.....
Hermes [13]	27	...	Amer..	U.S. Navy	New York, N.Y.	San Diego, Calif.	Ballast	.....
Aurora [13]	27	...	Amer..	U.S. Navy	New York, N.Y.	San Diego, Calif.	Ballast	.....
Gulfpenn [1]	28	1	Amer..	Gulf Refining Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Athelempress [1] [2]	3-1	1	Brit...	Asano Bussan Co.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	.....
Harperley	1	1	Brit...	J. & C. Harrison	Cardiff, Eng.	Vancouver, B.C.	Ballast	.....
Deroche [4]	1	1	Amer..	Union Oil Co.	Tiverton, R.I.	Los Angeles, Cal.	Ballast	.....
Neptunian [2]	1	1	Brit...	Chilean Nitrate Corp.	Bilbao, Spain	Tocopilla, Chile	Ballast	.....
Ludington [8]	1	2	Amer..	U.S. Army	Brooklyn, N.Y.	S. Francisco, Cal.	(18)	2,264
Oakland [2]	1	1	Ger...	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	1,899
Atlantic	1	2	Amer..	Argonaut Line	New York, N.Y.	Seattle, Wash.	General	3,220
Steelore	1	2	Amer..	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Mary Ann [14]	...	...	Amer..	U.S. Navy	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [6] Yacht. [7] Submarine. [8] Transport. [9] Destroyer. [10] Mine sweeper. [11] Mine planter. [13] Coast Guard cutter. [14] Crane. [15] General, steel, tinplate, sulphate. [16] Scrap iron and general. [17] Cotton, asbestos, tinplate, scrap, etc. [18] Military supplies.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Reuben James [9]	1	...	Amer.	U.S. Navy	U.S. ports	Balboa, C.Z.	Ballast	.....
England Maru	2	2	Jap.	Mitsui & Co.	Norfolk, Va.	Coos Bay, Oreg.	Ballast	.....
President Garfield	2	2	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	Gen., drugs	4,592
Karamea [2]	2	3	Brit.	Shaw, Savill & Albion	London, Eng.	Wellington, N.Z.	Ballast	.....
Gen. Wm. M. Graham. [11]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Towingbarge	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
No. 101 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Virgilio [2]	2	3	Ital.	Societa-Italia	Genoa, Italy	Valparaiso, Chile.	General	368
Mercury Sun [1] [2]	3	3	Amer.	Sun Oil Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Soloy [2]	3	3	Nor.	Long Is. Mach. Equip.	Jacksonville, Fla.	Moji, Japan	Scrap iron	7,715
Gisla [2]	3	3	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg	N. Westm'r, B.C.	General	4,878
Elg [2]	3	3	Nor.	Canadian Transp. Co.	Galveston, Tex.	Vancouver, B.C.	([13])	3,599
Orla II [2]	3	3	Nor.	Scand. Shipping Co.	Antwerp, Belg.	Osaka, Japan	General	5,024
Port Gisborne [2]	3	4	Brit.	Com'lth & Dom. Line	London, Eng.	Dunedin, N.Z.	General	4,575
Erlangen	1	3	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	2,045
Julia Luckenbach.	3	4	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,687
Hull [5]	...	...	Amer.	K. B. McKee	Gatun, C.Z.	Cristobal, C.Z.	Ballast	.....
Syrna	2	4	Ger.	North German Lloyd.	Antwerp, Belg.	Champ'ico, Guat.	General	950
Point Bonita	3	4	Amer.	Swayne & Hoyt	Galveston, Tex.	Powell Riv., B.C.	([14])	3,119
San Blas	4	4	Pan.	United Fruit Co.	Mobile, Ala.	Guayaquil, Ecuad	Ballast	.....
Iowan	4	4	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,898
Leise Maersk [2]	4	4	Dan.	A. P. Moller	Rouen, France	Arica, Chile	Explosives	478
Santa Elisa	4	5	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	3,288
Istmo	2	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	400
Geo. H. Jones [1]	4	4	Amer.	Standard Ship. Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Chris Craft [5]	...	...	Pan.	E. Pucci	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Jonna	4	5	Dan.	Wessel, Duval & Co.	New York, N.Y.	SanAntonio, Chile	General	542
Snestad [2]	4	5	Nor.	Fern Line	New Orleans, La.	Seattle, Wash.	Ballast	.....
City of Canberra	4	5	Brit.	Ellerman & Bucknall.	New York, N.Y.	Auckland, N.Z.	General	1,641
Greylock	5	5	Amer.	Luckenbach Line	Mobile, Ala.	Tacoma, Wash.	General	4,625
Tilsington Court.	5	5	Brit.	United Brit. S.S. Co.	Antwerp, Belg.	Vancouver, B.C.	Ballast	.....
Ryufuku Maru	5	5	Jap.	Kokusai Kisen Kaisha	New York, N.Y.	Yawata, Japan	Scrap steel	7,073
John D. Archbold [1]	5	5	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Alamar	5	5	Amer.	Calmar S.S. Corp.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	4,786
Cerigo	3	5	Ger.	Hamburg-Amer. Line.	Pto. Colom'a, Col	B'ventura, Col.	Coffee, gen.	640
Calgarolite [1] [2]	5	6	Brit.	Imperial Oil Co.	Halifax, N.S.	Talara, Peru	Ballast	.....
Bonnington Court. [2]	5	6	Brit.	Canadian Transp. Co.	Halifax, N.S.	Vancouver, B.C.	([15])	3,940
Athelviking [1] [2]	5	6	Brit.	United Molasses Co.	Norfolk, Va.	Los Angeles, Cal.	Ballast	.....
Evanger	6	6	Nor.	Chilean Nitrate Sales.	Newport News	Iquique, Chile	Ballast	.....
Cathwood [1]	6	7	Amer.	Union Oil Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Phemius	6	6	Brit.	Ocean Steamship Co.	New York, N.Y.	Yokohama, Japan	General	3,997
Canadolite [1] [2]	6	7	Brit.	Imperial Oil Co.	New York, N.Y.	Talara, Peru	Ballast	.....
Harlingen	6	6	Brit.	J. & C. Harrison	Kingston, Jam.	S. Francisco, Cal.	Ballast	.....
Santa Monica [2]	5	6	Amer.	Panama Mail S.S. Co.	Cristobal, C.Z.	S. Francisco, Cal.	General	998
Wind Rush	6	6	Amer.	Shepard S.S. Co.	Boston, Mass.	Seattle, Wash.	General	4,049
Teal [11]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Sheafholme [2]	6	7	Brit.	Chilean Nitrate Sales.	Hamburg, Ger.	Tocopilla, Chile	Ballast	.....
Svolder [1] [2]	6	7	Nor.	Waages Tankrederei	Philadelphia, Pa.	Wellington, N.Z.	Gasoline	8,630
Sir Osborn Holmden. [1] [2]	6	7	Nor.	A. F. Klaveness & Co.	Falmouth, Eng.	Los Angeles, Cal.	Ballast	.....
Chilore	7	7	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Edda	7	7	Ital.	Nav. Libera-Triestina	Rotterdam, Neth.	Seattle, Wash.	Ballast	.....
Pan Gothia [1] [2]	6	7	Swed.	Standard Ship. Co.	Rotterdam, Neth.	Talara, Peru	Ballast	.....
Nebraskan	7	7	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,628
Antonio	7	7	Brit.	Andrew Weir & Co.	Liverpool, Eng.	Bluff, N.Z.	Paper	4,571
Canadian Highlander.	7	8	Brit.	Can. Nat. Steamships	Halifax, N.S.	Lyttleton, N.Z.	([16])	3,231
Sultan Star	7	8	Brit.	Blue Star Line	London, Eng.	Pt. Gisborne, N.Z.	Ballast	.....
Tuira [2]	6	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
El Colon [2]	6	...	Pan.	A. Valdes	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Real [2]	6	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Sambu [2]	6	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Jedmoor [2]	7	8	Brit.	Mitsubishi & Co.	Pt. Arthur, Tex.	Osaka, Japan	Scrap iron	7,534
President Wilson.	8	9	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	2,124
Tai Ping Yang [2]	7	8	Pan.	Pan. Transpacific	New York, N.Y.	Shanghai, China.	General	1,305
Lochkatrine [2]	7	8	Brit.	Royal Mail Line, Ltd.	Rotterdam, Neth.	Vancouver, B.C.	General	2,072
Golden River	7	8	Amer.	Oceanic&Ori'l Nav.Co	Baltimore, Md.	Portland, Oreg.	Coal, general	2,142
West Ira	7	8	Amer.	McCormick S.S. Co.	Buenos Aires, Arg.	Vancouver, B.C.	General	1,609
Takaoka Maru	8	8	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Kobe, Japan	Cotton, gen.	7,918
Halsey [1]	8	8	Amer.	Shell Oil Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast	.....
Susan V. Luckenbach.	8	8	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,264
Allan Jackson [1]	8	8	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Franklin K. Lane [1]	8	8	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
El Mirlo [1] [2]	8	8	Brit.	Arrow Oil Co.	Tyne, Eng.	Los Angeles, Cal.	Ballast	.....
Sambu [2]	8	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....

[1] Tanker. [2] Motor ship. [5] Launch. [9] Destroyer. [11] Mine planter. [13] Sulphur, rosin, etc. [14] Rice, sulphur, hardwood. [15] Concentrates and general. [16] Paper, automobiles, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Simonburn	8	9	Brit...	Common Brothers...	Tyne, Eng.	Portland, Oreg...	Ballast	.....
Virginia	9	10	Amer..	Panama-Pacific Line..	New York, N.Y.	S. Francisco, Cal.	General	1,937
Scotland Maru	8	9	Jap...	Yamashita K. Kaisha.	Beaumont, Tex..	Yokohama, Jap..	Scrap iron...	5,048
Chickasaw City	9	9	Amer..	Isthmian S.S. Lines..	New York, N.Y.	Seattle, Wash...	(13)	6,133
Norfolk	9	9	Brit...	Federal Steam Nav. Co.	Glasgow & Eng..	New Zealand	Ballast	.....
Lindenbank	9	9	Brit...	C. Czarnikow	Santiago, Cuba..	Hongkong, China	Sugar	6,825
Nankai Maru [2]	9	9	Jap...	Osaka Shosen Kaisha.	Boston, Mass.	Dairen, Man'ria.	(14)	8,190
Siamese Prince [2]	9	10	Brit...	Prince Line, Ltd.	Halifax, N.S.	Pt. Swet'm, St. Set.	General	2,208
Pirate [3]	...	...	Pan...	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z.	(15)	.....
Motor sailer	...	...	Amer..	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
O. B. motor	...	...	Amer..	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Akaroa	9	10	Brit...	Shaw, Savill & Albion	London, Eng.	Wellington, N.Z.	General	3,100
Liberator	9	10	Amer..	Lykes Bros.-Ripley...	New Orleans, La.	Cebu, P.I.	Gen., cotton.	5,967
Granville [2]	9	10	Pan...	Fred Olsen Line	Geth'burg, Swed.	Vancouver, B.C..	Ballast	.....
Steel Seafarer	10	10	Amer..	Isthmian S.S. Lines..	Baltimore, Md...	Singapore, St. Set.	Steel, gen...	6,160
Daylight [1] [2]	10	10	Amer..	Stand. Vacuum Tr'sp.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Faxen	10	10	Swed..	Chilean Nitrate Sales.	Newp't News, Va.	Chile	Ballast	.....
Acajutla	3	10	Brit...	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	660
San Bernardino	10	10	Amer..	Quaker Line.	New York, N.Y.	Seattle, Wash...	(16)	3,031
El Sona [2]	9	...	Pan...	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Libertador [2]	9	...	Pan...	A. Valdez	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Santa Elena	10	11	Amer..	Panama Mail S.S. Co.	Philadelphia, Pa.	Seattle, Wash...	Coffee, gen..	2,590
Beldagny	10	11	Nor...	Christian Smith	Mobile, Ala.	Yawata, Japan..	Scrap iron...	5,800
San Mateo	11	11	Amer..	United Fruit Co.	Mobile, Ala.	Guayaquil, Ecuad	Ballast	.....
El Oso [1]	10	11	Brit...	C. T. Bowring & Co..	Falmouth, Eng..	Cabo Blanco, Peru	Ballast	.....
Silverfir [2]	10	11	Brit...	Silver Line	New Orleans, La.	Shanghai, China.	Cotton	4,525
American	11	11	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg...	General	1,671
Manizales	3	11	Ger...	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	493
Exanthia	11	11	Amer..	Texas Gulf Sul. Co...	Galveston, Tex..	Oakland, Calif...	Sulphur	7,500
Erviken	11	11	Nor...	Chilean Nitrate Sales.	Hamburg, Ger...	Iquique, Chile	Ballast	.....
Victor Ross [1] [2]	11	11	Danz..	W. Tankschiff Rhed'i.	New York, N.Y.	Talara, Peru	Ballast	.....
K. R. Kingsbury [1]	11	11	Amer..	Standard Oil Co.	Portland, Me.	S. Francisco, Cal.	Ballast	.....
Santa Olivia	11	12	Amer..	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	2,595
Pacific Grove [2]	11	12	Brit...	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B.C..	General	747
Portmar	12	12	Amer..	Calmar S.S. Corp.	Baltimore, Md...	Seattle, Wash...	Steel, gen...	4,526
H. M. Storey [1]	12	12	Amer..	J. B. Berry & Sons...	Baltimore, Md...	S. Francisco, Cal.	Ballast	.....
City of Rayville [2]	12	12	Amer..	Roosevelt S.S. Co.	New York, N.Y.	Fremantle, Aus'ia	(17)	4,397
Chester Sun [1] [2]	12	12	Amer..	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Pirate [3]	12	...	Pan...	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z.	(15)	.....
Rotorua	12	13	Brit...	N.Z. Shipping Co.	Newport, Eng.	Napier, N.Z.	(18)	7,318
Mavair [5]	12	...	Amer..	J. J. Hagerty	Miami, Fla.	Balboa, C.Z.	Ballast	.....
Standard [1]	12	13	Amer..	Standard Ship. Co.	Norfolk, Va.	Los Angeles, Cal.	Ballast	.....
Brimanger [2]	13	13	Nor...	Interocean S.S. Corp.	Rotterdam, Neth.	Vancouver, B.C..	Ballast	.....
Durazzo	10	13	Ger...	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil, Ecuad	General	650
Point Clear	13	14	Amer..	Gulf-Pacific Line	New Orleans, La.	Seattle, Wash...	General	4,581
Empire Arrow [1]	13	...	Amer..	Stand. Vacuum Tr'sp.	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Virginian	13	14	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash...	General	2,000
Tejon [1]	13	14	Amer..	General Pet. Corp.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Trondanger [2]	13	14	Nor...	Interocean Line	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	.....
Montgomery City	14	14	Amer..	Isthmian S.S. Lines..	Portland, Me.	Tacoma, Wash..	Steel, gen...	3,578
Oregon Express [2]	14	14	Nor...	Siguard Herlofson	Hamburg, Ger...	Vancouver, B.C..	Ballast	.....
California	14	14	Ital...	Nav. Lib. Triestina...	Genoa, Italy	Vancouver, B.C..	General	461
Olovsborg	14	14	Fin...	J. A. Zachariassen Co.	Hull, Eng.	Vancouver, B.C..	Ballast	.....
Southern Sun [1] [2]	14	15	Amer..	Sun Oil Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Real [2]	13	14	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Sambu [2]	13	14	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pedregal, R.P.	General	5
Chance [4]	8-2	-33	Amer..	John Dow	New York, N.Y.	Balboa, C.Z.	Ballast	.....
Nyanza	15	15	Brit...	Inter. Freighting Co..	Wilmington, N.C	Taltal, Chile	Ballast	.....
Irisbank [2]	15	15	Brit...	Bank Line, Ltd.	Baltimore, Md...	Shanghai, China.	Steel, gen...	3,136
Constance Chandler.	15	15	Amer..	Arrow Line	New York, N.Y.	Seattle, Wash...	General	1,787
Canonesa	15	15	Brit...	Shaw, Savill & Albion	London, Eng.	New Zealand	Ballast	.....
Svealand [2]	15	15	Swed..	Ore S.S. Corp.	New York, N.Y.	Cruz Gr'de, Chile	Ballast	.....
Chateau Thierry [5]	14	16	Amer..	U.S. Army	New York, N.Y.	Honolulu, T.H...	General	249
Clam [1] [2]	15	16	Brit...	Anglo-Saxon Pet. Co..	N. Shields, Eng..	Los Angeles, Cal.	Ballast	.....
Laura	15	15	Dan...	J. Lauritzen	Cardiff, Eng.	Seattle, Wash...	Ballast	.....
Tatsuno Maru	15	15	Jap...	Nippon Yusen Kaisha	Philadelphia, Pa.	Dairen, Manc'ria	(19)	8,050
Texas Shipper	15	15	Amer..	Grace Line	New York, N.Y.	Ant'fagasta, Chile	General	2,399
Canadian Conqueror.	15	15	Brit...	Can. Nat. Steamships	Halifax, N.S.	Auckland, N.Z.	Gen., paper.	2,705

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Peter Kerr	16	16	Amer..	Quaker Line	Portland, Oreg...	Philadelphia, Pa.	(20)	10,145
Nagara	16	16	Brit...	Royal Mail Line, Ltd.	Seattle, Wash...	Hamburg, Ger...	Apples	4,127
Steel Exporter	16	16	Amer..	Isthmian S.S. Lines..	Seattle, Wash...	Avonmouth, Eng.	(21)	7,853

[1] Tanker. [2] Motor ship. [3] Motor schooner. [4] Yacht. [5] Transport. [13] General and tobacco. [14] General, machinery, etc. [15] For bananas and return. [16] Coal, lubricating oil, general. [17] Lubricating oil and general. [18] Iron, steel, general. [19] Cotton, phosphate rock, etc. [20] Lumber, grain, general. [21] Lumber, wheat, spelter.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Fordsdale	16	16	Brit.	Shaw, Savil & Albion.	Bluff, N.Z.	Glasgow, Scot.	General	6,800
Reynolds	16	16	Brit.	Chilean Nitrate Co.	Taltal, Chile	Azores [13]	Nitrates	8,205
Willboro	16	16	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Bridgeport, Conn	Lumber, gen.	8,549
Invercorrie [4]	16	16	Venez.	Lago Shipping Co.	B'ventura, Col.	Maracaibo, Ven.	Ballast	.....
Trebartha	16	16	Brit.	Kerr-Gifford	Portland, Oreg.	Cobh, Ire. [13]	Wheat	7,840
Taranaki [2]	16	16	Brit.	Shaw, Savil & Albion.	Lyttleton, N.Z.	London, Eng.	Frozen, gen.	6,405
Hofuku Maru	16	17	Jap.	Kokusai Kisen Kaisha	Iloilo, P.I.	New Orleans, La.	Sugar	7,500
Port Melbourne	16	17	Brit.	Com'lth & Dom. Line	Plymouth, N.Z.	London, Eng.	General	7,089
Uffington Court	16	17	Brit.	Anglo-Canadian	Vancouver, B.C.	Liverpool, Eng.	Wheat, lum'r	8,403
Penelope [1] [2]	17	17	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Rotterdam, Neth.	Gas oil	11,809
Salvador	17	...	Brit.	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z.	General	728
Cali	17	...	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,189
Cambridge	17	17	Brit.	FederalSteamNav.Co.	Wellington, N.Z.	London, Eng.	Frozen, gen.	6,383
Kafiristan	17	17	Brit.	Chilean Nitrate Co.	Ant'fagasta, Chile	Azores [13]	Nitrates	8,250
Swainby	17	18	Brit.	Chilean Nitrate Co.	Taltal, Chile	Azores [13]	Nitrates	8,029
President Wilson	18	18	Amer.	Dollar Line	Manila, P.I.	New York, N.Y.	General	4,572
Halsey [1]	17	18	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Gasoline	9,073
San Francisco Maru.	17	18	Jap.	Kokusai Kisen Kaisha	Manila, P.I.	Philadelphia, Pa.	Sugar, lum'r.	7,325
J. M. Danziger [1]	17	18	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Chelsea, Mass.	Fuel oil	10,375
Point Ancha	15	18	Amer.	Gulf-Pac. Mail Line.	Powell Riv., B.C.	Tampa, Fla.	General	3,557
Standard [1]	18	19	Amer.	Standard Oil Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	17,741
Waziristan	18	18	Brit.	Common Brothers	Vancouver, B.C.	Hull, Eng.	Wheat	8,070
H. M. Storey [1]	18	18	Amer.	J. B. Berry & Sons	Los Angeles, Cal.	Tiverton, R.I.	([14])	14,684
Beaconstar [1]	18	19	Amer.	Standard Ship. Co.	Talara, Peru	Halifax, N.S.	Gasoline	10,826
Amagisan Maru [2]	18	19	Jap.	Mitsui Bussan Kaisha	Manila, P.I.	New York, N.Y.	General	8,140
Felix Taussig	18	19	Amer.	McCormick S.S. Co.	Tacoma, Wash.	Philadelphia, Pa.	Lum'r, gen.	9,087
Chester Sun [1] [2]	19	19	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,238
Europa [2]	19	19	Dan.	East Asiatic Co.	Vancouver, B.C.	Copenhagen, Den	General	8,870
Ibukisan Maru	19	19	Jap.	Mitsui & Co.	Iloilo, P.I.	New York, N.Y.	([15])	7,424
Clarissa Radcliffe	19	19	Brit.	Chilean Nitrate Co.	Iquique, Chile	Azores [13]	Nitrates	9,130
Almelo	19	19	Neth.	Royal Neth S.S. Co.	Vancouver, B.C.	London, Eng.	Wheat, lum'r	10,265
F. W. Abrams [4]	19	20	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil	13,484
Daylight [1] [2]	19	19	Amer.	Stand. Vacuum Tr'sp.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	13,710
Texan	19	20	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	10,045
Iddesleigh	19	20	Brit.	Dale & Co.	Vancouver, B.C.	Plymouth, Eng.	General	8,900
Virginia	19	20	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	6,060
Istmo	19	22	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	578
San Blas	20	20	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,300
Sinnington Court	19	20	Brit.	Haldin & Phillips	Vancouver, B.C.	London, Eng.	([16])	10,000
Baru [2]	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	86
Sambu [5]	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	22
Valverde	19	20	Ital.	Chilean Nitrate Co.	Ant'fagasta, Chile	Azores [13]	Nitrates	6,600
Santa Inez [2]	20	20	Amer.	Grace Line	Talcahuano, Chile	New York, N.Y.	General	3,036
Chateau Thierry	17	21	Amer.	U.S. Army	Balboa, C.Z.	Brooklyn, N.Y.	Army stores.	26
Huguenot [1]	20	20	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	9,866
Fresno Star	20	20	Brit.	Blue Star Line	N. West'r, B.C.	Newcastle, Eng.	General	5,359
Real [2]	20	21	Pan.	A. Valdes	Bayano Riv., R.P.	Cristobal, C.Z.	Bananas	50
Santa Monica [2]	20	21	Amer.	Grace Line	S. Francisco, Cal.	Cristobal, C.Z.	General	1,304
Nordhavet [2]	20	20	Dan.	Anglo-Can. Ship. Co.	Vancouver, B.C.	Leith, Scot.	General	7,462
Point Salinas	20	21	Amer.	Swayne & Hoyt	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	6,628
L-55 [4]	...	...	Amer.	U.S. Army	Balboa, C.Z.	Pedro Miguel, C.Z	.....	.....
Avelona Star	21	21	Brit.	Blue Star Line	Auckland, N.Z.	London, Eng.	Frozen, gen.	6,622
Alaskan	21	21	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	7,332
Nyanza	21	21	Brit.	Inter. Freighting Co.	Tocopilla, Chile	Azores [13]	Nitrates	8,030
Orazio [2]	21	22	Ital.	Italia America	Valparaiso, Chile	Genoa, Italy	General	2,126
Pacific Trader [2]	21	22	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Glasgow, Scot.	General	7,241
Lapwing [4]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Nalon	21	22	Brit.	Royal Mail Lines	Seattle, Wash.	Rotterdam, Neth.	General	2,802
Patrick Henry	22	22	Amer.	Lykes Bros.-Ripley	Cebu, P.I.	New Orleans, La.	Sugar, copra.	10,000
California Express. [2]	22	22	Nor.	Fruit Express Line	Portland, Org.	Hamburg, Ger.	Apples, pears	2,936
Nansenville	21	24	Nor.	Fred Olsen Line	Vancouver, B.C.	Liverpool, Eng.	General	6,757
Alfios	22	22	Ger.	Gildemeister Co.	Chicama, Peru	Marseille, France.	Sugar	7,600
Orient City	22	22	Brit.	East Asiatic Co.	Vlad'ok, U.S.S.R.	Cobh, I.F.S.	Soya beans.	7,621
Horace Luckenbach.	22	22	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	7,069
Dallington Court.	22	23	Brit.	Canadian Transp. Co.	Vancouver, B.C.	Hull, England	([16])	10,245
Sagadahoc	23	23	Amer.	Argonaut S.S. Co.	Los Angeles, Cal.	New York, N.Y.	Lumber, gen.	9,045
Los Angeles	23	24	Ger.	North German Lloyd.	Vancouver, B.C.	Hamburg, Ger.	General	7,663
Santa Teresa	23	24	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	Coffee, gen.	3,393
Lautaro [2]	23	24	Brit.	Pacific Steam Nav. Co	Talcahuano, Chile	Glasgow, Scot.	General	8,025
Jane Christenson	24	24	Amer.	Arrow Line	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	7,712
Franz Klasen [1] [2]	24	24	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Hamburg, Ger.	([17])	16,404
Rossington Court.	24	24	Brit.	United Brit. S.S. Co.	Chemanuis, B.C.	London, Eng.	Wheat, lum'r	10,200
Cerigo	24	25	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,128
Steel Age	24	24	Amer.	Isthmian S.S. Lines	Vancouver, B.C.	Avonmouth, Eng.	Grain, fruit	8,096
San Lucas	24	24	Amer.	States S.S. Co.	Longview, Wash.	Baltimore, Md.	Lumber, gen.	9,225

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [13] For orders. [14] Kerosene, furnace oil. [15] Sugar, silk, general. [16] Wheat, lumber, meal. [17] Gasoline, gas oil.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Makiki	24	24	Amer.	Matson Nav. Co.	Honolulu, T.H.	E. coast U.S.A.	Sugar	8,040
Svealand [2]	24	25	Swed.	Ore S.S. Corp.	Cruz Gr'de, Chile	New York, N.Y.	Iron ore	21,652
Barrwhin	24	25	Brit.	Canadian Transp. Co.	Portland, Oreg.	Watford, Eng.	Wheat, lum'r	8,400
El Sona [2]	24	26	Pan.	Pinel Brothers	Darien, R.P.	Cristobal, C.Z.	Bananas	28
W. S. Miller [1]	24	25	Amer.	J. B. Berry & Sons	S. Francisco, Cal.	Tiverton, R.I.	Kerosene	10,358
Ashleigh	24	25	Brit.	Dale & Co.	Chemainus, B.C.	London, Eng.	Grain, lum'r.	8,500
Dryden	25	25	Amer.	Lykes Bros.-Ripley	Pulupandan, P.I.	New Orleans, La.	General	8,731
Amstelland	25	27	Neth.	Comyn & Sons	Vancouver, B.C.	Rotterdam, Neth.	([13])	10,200
D. G. Schofield [5]	25	25	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,820
Celtic Star	25	26	Brit.	Blue Star Line	Seattle, Wash.	Bordeaux, France	Fruit, gen.	2,651
Tai Ping [2]	25	26	Nor.	Barber-Wilhelmsen	Manila, P.I.	New York, N.Y.	General	8,426
Castana [1]	25	26	Amer.	U.S. Tankship Corp.	Honuapo, T.H.	Philadelphia, Pa.	Molasses	9,004
Mexican	25	26	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Gen., lumber	8,891
Beaconhill [1]	25	26	Amer.	Shell Terminal Corp.	Los Angeles, Cal.	Fall River, Mass.	Kerosene	10,039
Childar [2]	25	26	Nor.	Wiel Amundsen	Paagoumene, N.C	Baltimore, Md.	Chrome ore	7,000
Newton Ash	25	26	Brit.	Canadian Transp. Co.	Vancouver, B.C.	Garston, Eng.	Wheat, lum'r	6,826
Canadian Scottish	25	27	Brit.	Can Nat. Steamships	Brisbane, Aus'lia.	Halifax, N.S.	General	1,750
W. S. Rheem [1]	26	26	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	14,800
Heranger [2]	26	26	Nor.	Interocean S.S. Corp.	Vancouver, B.C.	Rotterdam, Neth.	Frozen, gen.	6,942
Dunafric [2]	26	26	Brit.	Andrew Weir & Co.	Tocopilla, Chile	New Orleans, La.	Nitrates	4,719
Heffron	26	26	Amer.	Pac. Coast Direct Line	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	10,835
West Mahwah	24	26	Amer.	McCormick S.S. Co.	Los Angeles, Cal.	Buenos Aires, Arg	Lumber, gen.	4,684
Mataroa	25	26	Brit.	Shaw, Savill & Albion	Auckland, N.Z.	London, Eng.	Frozen, gen.	4,100
Santa Lucia	26	27	Amer.	Grace Line	Seattle, Wash.	Philadelphia, Pa.	General	3,275
San Mateo	27	27	Amer.	United Fruit Co.	Guayaquil, Ecuad	Mobile, Ala.	Bananas	864
Corrientes	27	27	Brit.	Donaldson Line	Victoria, B.C.	Glasgow, Scot.	Fruit, gen.	5,144
Real [2]	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	38
Sambu [5]	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	20
Bonneville [2]	27	27	Nor.	Fern Line	Philippine Is'ds.	E. coast U.S.A. [14]	Sugar	8,000
Kent	27	28	Brit.	Federal Steam Nav. Co.	Wellington, N.Z.	London, Eng.	Frozen, gen.	6,154
Gothic Star	27	28	Brit.	Blue Star Line	N. West'r, B.C.	Newcastle, Eng.	General	4,495
Ontariolite [1] [2]	27	28	Brit.	Imperial Oil Co.	Talara, Peru	Halifax, N.S.	Crude oil	12,070
Cornwall	27	28	Brit.	N.Z. Shipping Co.	Auckland, N.Z.	London, Eng.	Frozen, gen.	7,006
Manatawny [1]	27	28	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Paulsboro, N.J.	Fuel oil	7,345
Jacob Luckenbach.	27	28	Amer.	Luckenbach Line	Los Angeles, Cal.	New Orleans, La.	General	8,584
Lochgoil [2]	28	28	Brit.	Royal Mail Lines, Ltd.	Victoria, B.C.	Rotterdam, Neth.	Gen., grain.	9,330
Steel Inventor	25	28	Amer.	Isthmian S.S. Lines	Hilo, P.I.	Baltimore, Md.	Sugar, pines.	8,416
Yorkmar	28	28	Amer.	Calmar S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	6,709
Dakotan	28	28	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	8,219
Gen. Wm. M. Graham. [11]	...	...	Amer.	U.S. Army	Ped. Miguel, C.Z.	Cristobal, C.Z.	...	...
J. L. Luckenbach.	3-1	3-1	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	8,548
Willzipo	1	1	Amer.	Williams S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	9,250
York City	1	1	Brit.	Reardon Smith Line	Vlad'k, U.S.S.R.	Hamburg, Ger.	Soya beans	9,020
Santa Barbara [2]	1	1	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	4,319
Canadian Victor	1	2	Brit.	Can. Nat. Steamships	Wellington, N.Z.	Halifax, N.S.	General	1,083
Oregon [2]	1	2	Fr.	French Line	Vancouver, B.C.	Havre, France	General	8,490
Orville Harden [1] [2]	1	2	Danz.	Baltic-Amer. Pet. Co.	Talara, Peru	Le Havre, France	Crude oil	16,278
Kreta	1	3	Ger.	Hamburg-Amer. Line.	Champ'ico, Guat.	Hamburg, Ger.	General	1,708
Vardaas [1] [2]	1	2	Nor.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, D.W.I.	Gas oil	10,833
Birkenfels	2	2	Ger.	Anglo-Can. Shipping.	Pt. Alberni, B.C.	London, Eng.	Wheat, lum'r	8,109
Cities Service Ohio. [1] [2]	2	2	Amer.	Cities Ser. Trans. Co.	S. Francisco, Cal.	New York, N.Y.	Furnace oil	10,227
Heina [2]	2	2	Nor.	Canadian Transp. Co.	Vancouver, B.C.	Southamp'n, Eng.	Lumber	6,600
Istmo	2	4	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	597
Navy launch [5]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	...	...
Axel Johnson [2]	2	4	Swed.	Johnson Line	Vancouver, B.C.	Goth'burg, Swed.	General	5,660
Acajutla	2	...	Brit.	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z.	General	746
Montreal Maru	2	3	Jap.	Kawasaki K. Kaisha	Dairen, Man'ria.	New York, N.Y.	Silk, gen.	6,699
Tymeric	2	4	Brit.	Colonial Sugar Ref.Co	Lautoka, Fiji Is.	United Kingdom.	Sugar	7,048
Gulfcrest	3	3	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	14,428
Manizales	3	...	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,012
San Marcos	3	3	Amer.	Pac. Cont'l Grain Co.	Portland, Oreg.	Newport News	Wheat	8,095
Marguerite Finaly. [1] [2]	3	4	Fr.	Standard Ship. Co.	Talara, Peru	Le Havre, France	Crude oil	16,760
Miss Madden	1	...	Amer.	Ted. Foster	Gamboa, C.Z.	Balboa, C.Z.	Ballast	...
President Pierce	4	4	Amer.	Dollar Line	S. Francisco, Cal.	New York, N.Y.	General	3,989
Ima [1] [2]	4	4	Nor.	General Pet. Co.	Los Angeles, Cal.	Salonica, Greece.	Gas oil	9,690
Arizonan	4	4	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Gen., lum'r.	7,945
San Anselmo	4	4	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lum'r, gen.	8,217
S. C. T. Dodd [5]	4	4	Amer.	J. B. Berry & Sons	Los Angeles, Cal.	Tiverton, R.I.	([15])	10,200
Amsterdam	4	5	Neth.	Anglo-Can. Ship. Co.	Pt. Alberni, B.C.	Immingham, Eng	Grain, lum'r.	12,680
Hokuroku Maru [2]	4	5	Jap.	Osaka Shosen Kaisha.	Hongkong, China	Baltimore, Md.	General	6,729
Santa Monica [2]	4	6	Amer.	Grace Line	Champ'ico, Guat.	Cristobal, C.Z.	General	1,096
Zealandic [2]	4	5	Brit.	Shaw, Savill & Albion	Nelson, N.Z.	Glasgow, Scot.	Frozen, gen.	6,875
Nolisement	4	5	Brit.	Morel, Ltd.	Dairen, Man'ria.	Cobh, I.F.S.	Soya beans	8,349
Langleecrag	5	5	Brit.	F. Carrick Co.	Chemanius, B.C.	London, Eng.	Wheat, lum'r	8,600

[1] Tanker. [2] Motor ship. [5] Launch. [11] Mineplater. [13] Lumber, fruit, general. [14] For orders. [15] Kerosene and furnace oil.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
E. J. Bullock [2]	5	5	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Chelsea, Mass.	Fuel oil	10,000
Handicap	5	5	Nor.	Bruusg'd Kister'd Co.	Vlad'k, U.S.S.R.	Azores [13]	Soya beans	8,450
Edwin Christenson.	5	6	Amer.	McCormick S.S. Co.	Seattle, Wash.	Baltimore, Md.	Lum'r, gen.	8,244
Pennsylvania	5	6	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N.Y.	General	6,731
San Gil	6	6	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,040
Sambu [5]	6	7	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	19
Real [2]	6	7	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	31
Tuira [2]	6	7	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	35
Edward Luckenbach.	6	6	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	5,515
Tacoma	6	7	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	8,346
Point Brava	6	6	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	Lum'r, gen.	6,628
Fordefjord [2]	6	6	Nor.	Nitrate Sales Corp.	Iquique, Chile	E. coast, U.S.A. [13]	Nitrates	7,825
El Colon [2]	6	7	Pan.	A. Valdez	Bayano Riv., R.P	Cristobal, C.Z.	Bananas	47
Orion [2] [6]	6	7	Amer.	C. J. Forstman	Pto. Arm'les, R.P.	Nassau	Ballast	.....
Santa Isabel	7	8	Amer.	Grace Line	Talcahuano, Chile	New York, N.Y.	General	3,696
William Green	6	7	Amer.	Standard Ship. Co.	Long Beach, Cal.	Boston, Mass.	Fuel oil	10,664
Induna	7	7	Brit.	Dupont Co.	Tocopilla, Chile.	Baltimore, Md.	Nitrates	7,650
Ionic Star	7	8	Brit.	Blue Star Line	N. West'r, B.C.	Liverpool, Eng.	General	3,801
Masunda	7	7	Brit.	Anglo-Can. Ship. Co.	Victoria, B.C.	Liverpool, Eng.	Grain, lum'r.	8,642
Hanley	7	7	Amer.	Pac. Coast Dir. Line.	Seattle, Wash.	Baltimore, Md.	Lum'r, gen.	9,601
Missourian [2]	7	7	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Gen., lum'r.	9,655
Orari [2]	7	8	Brit.	N.Z. Shipping Co.	Opua, N.Z.	Glasgow, Scot.	Frozen, gen.	6,587
Pacific Shipper [2]	7	8	Brit.	Furness, Withy & Co.	Vancouver, B.C.	London, Eng.	General	8,040
Quebec City	7	8	Brit.	Reardon-Smith Line.	Chemanuis, B.C.	Cardiff, Wales	General	7,500
W. C. Teagle [2]	8	8	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil	15,801
Clearton	8	8	Brit.	Dale & Co.	Vancouver, B.C.	Avonmouth, Eng.	Grain, wheat	7,581
Nordfarer	8	8	Dan.	Anglo-Can. Ship. Co.	Victoria, B.C.	Manchester, Eng.	General	7,380
Sambu [5]	8	9	Pan.	Elliot Ship. & Land Co.	Panama, R.P.	Cristobal, C.Z.	Empty dr'ms	20
Frieda	8	8	Amer.	Dutton Lumber Co.	Tacoma, Wash.	Poughk'sie, N.Y.	Lumber	3,543
Pasajero [2]	8	9	Hond.	F. Beltran	Corinto, Nic'gua.	Honduras	Salt	47
Ninna	8	8	Dan.	J. Lauritzen	Seattle, Wash.	Hook, Holland	Fruit	1,000
William Rockefeller [1]	9	9	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	21,700
Marie Bakke [2]	8	9	Nor.	Knut Knutsen	Valparaiso, Chile.	Goth'burg, Swed.	General	7,080
San Gabriel	8	9	Amer.	Pacific-Atlantic Corp.	Portland, Oreg.	Philadelphia, Pa.	Lum'r, gen.	5,010
S-12 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Flint [2]	9	9	Nor.	Chilean Nitrate Sales.	Tocopilla, Chile.	Jacksonville, Fla.	Nitrates	7,900
Spreewald [2]	9	9	Ger.	Hamburg-Amer. Line.	Callao, Peru	Hamburg, Ger.	General	7,905
Nemanja	9	9	J-Slav.	Chilean Nitrate Co.	Tocopilla, Chile.	Azores [13]	Nitrates	7,740
Columbia Maru [2]	9	9	Jap.	Mitsubishi Trad. Co.	Dairen, Man'ria.	Hamburg, Ger.	Soya beans.	8,010
Santa Cecilia	9	10	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	Coffee, gen.	3,763
El Sona [2]	9	10	Pan.	Pinel Brothers	PanamaBay, R.P.	Cristobal, C.Z.	Bananas	25
Libertador [2]	9	10	Pan.	Pinel Brothers	PanamaBay, R.P.	Cristobal, C.Z.	Bananas	25
Remuera	9	10	Brit.	N.Z. Shipping Co.	Auckland, N.Z.	London, Eng.	Frozen, gen.	6,127
Durazzo	10	13	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,073
Democracy	10	10	Amer.	Nelson Line	Pt. Angeles, Wash.	New York, N.Y.	Lum'r, gen.	6,533
Albion Star	10	10	Brit.	Blue Star Line	Seattle, Wash.	London, Eng.	Fruit, gen.	4,034
Reina Del Pacifico [2]	10	11	Brit.	Pacific Steam Nav. Co	Valparaiso, Chile.	Liverpool, Eng.	General	5,127
Attika	10	11	Ger.	North German Lloyd.	Guaymas, Mex.	Hamburg, Ger.	General	2,773
Moldanger [2]	10	11	Nor.	Interocean Line	Vancouver, B.C.	Rotterdam, Neth.	Wheat, gen.	8,550
Amerikaland [2]	10	11	Swed.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,700
Tilthorn	11	11	Nor.	Chilean Nitrate Sales.	Tocopilla, Chile.	Charleston, S.C.	([14])	10,010
W. H. Libby [1]	11	11	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Portland, Me.	Fuel oil	12,500
Janeta	11	11	Brit.	McClay & McIntyre.	Vancouver, B.C.	Liverpool, Eng.	Wheat, lum'r	8,833
Dorothy Luckenbach.	11	11	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,300
Knute Nelson [2]	11	12	Nor.	Fred Olsen & Co.	Vancouver, B.C.	Oslo, Norway	General	6,679
Oregonian	11	11	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	7,314
Fernwood [2]	11	11	Nor.	Fern Line	Mangarin, P.I.	E. coast, U.S.A [13]	Sugar	8,000
Bronxville [2]	11	12	Nor.	Fern Line	Iloilo, P.I.	New Orleans, La.	Sugar	8,000
Harold Walker [1]	11	12	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,000
Amasis	12	13	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger.	General	8,703
Charles Christenson.	12	12	Amer.	Sudden & Christenson	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,596
Knoxville City	12	12	Amer.	Isthmian S.S. Lines	Hilo, T.H.	Baltimore, Md.	([15])	8,301
Calgarolite [1] [2]	12	12	Brit.	Imperial Oil Co., Ltd.	Talara, Peru	Halifax, N.S.	Crude oil	16,158
Samuel Bakke [2]	11	13	Nor.	Scand.-So. Pacific Line	Ant'fagasta, Chile	Goth'burg, Nor.	General	6,700
Manorean [2]	12	12	Neth.	Silver Java Pac. Line.	Vancouver, B.C.	Calcutta, India	General	8,289
Taketoyo Maru	12	13	Jap.	Nippon Yusen Kaisha	Manila, P.I.	New York, N.Y.	General	8,177
Santa Paula	12	13	Amer.	Grace Line	Seattle, Wash.	New York, N.Y.	General	4,409
Larry Doheny [1]	12	13	Amer.	Richfield Oil Co., Cal.	Los Angeles, Cal.	Paulsboro, N.J.	Fuel oil	10,370
Elisha Walker [1]	12	13	Amer.	Standard Ship. Co.	El Segundo, Cal.	Jacksonville, Fla.	Fuel oil	11,110
San Blas	13	13	Pan.	United Fruit Co.	Guayaquil, Ecuad	Mobile, Ala.	Bananas	1,350
Imlay [1]	13	13	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Chelsea, Mass.	Fuel oil	10,700
Sambu [2]	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	18
Florida Maru [2]	13	13	Jap.	Kawasaki Docky'd Co	Iloilo, P.I.	New York, N.Y.	Sugar, gen.	7,994

[1] Tanker. [2] Motor ship. [5] Launch. [6] Yacht. [7] Submarine. [13] For orders. [14] Nitrate of soda. [15] Sugar and canned pineapples.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Robin Goodfellow	13	13	Amer..	Luckenbach Line....	Tacoma, Wash..	New Orleans, La.	([13])	7,856
Real [2].....	13	14	Pan...	Elliot Ship. & Land Co.	Darien, R.P.....	Cristobal, C.Z...	Bananas....	39
Charles R. McCormick.	13	13	Amer..	McCormick S.S. Co..	Tacoma, Wash..	Baltimore, Md...	Lumber, gen.	7,502
Oakmar.....	13	13	Amer..	Calmar S.S. Corp....	Seattle, Wash...	Baltimore, Md...	([14])	7,122
Stensby [2].....	13	14	Dan...	Canadian Transp. Co.	Vancouver, B.C..	London, Eng....	([15])	6,760
Bennekom.....	13	14	Neth..	Royal Neth. S.S. Co..	Talcahuano, Chile	Hamburg, Ger...	General.....	8,053
Mavair [2].....	13	15	Amer..	J. J. Hagerty.....	Balboa, C.Z.....	Miami, Fla.....	Ballast.....	.....
S-17 [7].....	...	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
Frank Lynch.....	13	14	Amer..	Pacific-Con. Grain Co.	Portland, Oreg...	Mobile, Ala.....	Wheat.....	3,000
Santa Clara [2].....	14	15	Amer..	Grace Line.....	Valparaiso, Chile.	New York, N.Y.	General.....	3,908
Drechtdijk [2].....	14	15	Neth..	N. Pac. Coast Line...	Vancouver, B.C..	Rotterdam, Neth.	Wheat, gen..	9,770
Fella [2].....	14	15	Ital...	Nav. Lib. Triestina...	Vancouver, B.C..	Trieste, Italy....	General.....	8,120
Kansan.....	14	14	Amer..	Amer.-Hawaiian Line.	Seattle, Wash...	Boston, Mass....	General.....	7,417
Canadolite [1] [2]....	14	15	Brit...	Imperial Oil Co.....	Cabo Blanco, Peru	Halifax, N.S.....	Crude oil...	15,552
Ferndale [2].....	14	15	Nor...	Fearnley & Eger.....	Manila, P.I.....	E. coast U.S.A. [16]	Sugar.....	7,480
S-16 [7].....	...	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
Comliebank [2].....	15	15	Brit...	Chilean Nitrate Sales.	Tocopilla, Chile..	New Orleans, La.	Nitrates....	8,048
Hollywood.....	15	15	Amer..	McCormick S.S. Co..	Marchfield, Oreg.	Santa Fe, Arg...	Lumber, gen.	7,574
Mallard.....	...	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	Towing barge	.....
Barge No. 44....	...	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
Istmo.....	15	...	Pan...	Elliot Ship. & Land Co.	B'ventura, Co....	Cristobal, C.Z...	Coffee, gen..	610
Santa Maria [1]....	15	...	Amer..	Union Oil Co.....	Los Angeles, Cal.	Cristobal, C.Z...	([17])	12,187
Jacob Jones No. 130. [9]	...	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
Belnor [2].....	15	16	Nor...	Anglo-Can. Ship. Co.	Vancouver, B.C..	Plymouth, Eng..	Lumber.....	3,350

[1] Tanker. [2] Motor ship. [7] Submarine. [9] Destroyer. [13] Sugar, flour, canned goods, general. [14] Wheat, lumber, general. [15] Wheat, lumber, whiskey. [16] For orders. [17] Mineral oil and gasoline.

Steamship "Brion" Sinks in Gatun Lake

The Dutch steamship *Brion* of 761 gross tons, sank in Gatun Lake, well clear of the channel on January 21, 1934. The vessel was in transit northbound through the Canal en route from Guayaquil to Cristobal with approximately 695 tons of cargo, consisting of coffee, cacao, ivory nuts, etc., aboard.

The vessel made a normal transit of the Canal until about 1:15 p.m., while in Gatun Lake, when she suddenly listed about five degrees to port. The master and crew were unable to discover the cause of the list, nor could the vessel be brought back to normal trim. As the list increased, the ship was taken out of the channel into an unused part of Gatun Lake. When the list continued to increase the vessel's bow was shoved against the bank of the Lake in an attempt to save her by beaching, but she slid away from the bank and turned over on her port beam and sank in approximately 13 fathoms of water, with her bow 150 feet from the east bank of the Gatun Anchorage Basin. The crew were taken off prior to her sinking.

Investigation has failed to determine the cause for the sinking but found that there was no evidence of negligence or want of care on the part of any employee or official of the Panama Canal.

Executive Order—Amendment of Executive Order No. 3761 Relating to Interest on Deposit Money Orders

Executive Order No. 3761 of December 6, 1922, relating to interest on deposit money orders issued in the Canal Zone, is hereby amended to read as follows:

By virtue of and pursuant to authority vested in me by section 2 of the act of February 16, 1933 (ch. 89, 47 Stat. 812), the following regulations are hereby prescribed:

1. Deposit money orders issued by the Canal Zone Postal Service on or after April 1, 1934, shall bear interest at the rate of five-eighths of 1 per centum for each period of 3 full calendar months from date of issue. Interest shall be payable when the order is paid but shall not accrue for more than 3 years.

2. Deposit money orders issued by the Canal Zone Postal Service prior to April 1, 1934, shall bear interest at the rate of three-fourths of 1 per centum from date of issue for any period or periods of 3 full calendar months ending between April 1, 1934, and June 30, 1934, inclusive. For subsequent periods the rate of interest shall be the same as that provided in the preceding paragraph of this order.

3. On all deposit money orders interest shall be payable when the orders are paid but shall not accrue for more than 3 years.

4. The Governor of the Panama Canal is hereby authorized to prescribe such detailed rules and regulations as may be necessary to carry out this order.

FRANKLIN D. ROOSEVELT.

THE WHITE HOUSE,
February 20, 1934.

[No. 6608]

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Volume XXVII. Balboa Heights, C.Z., April 15, 1934. No. 9.

Traffic Through the Panama Canal in March 1934

The total vessels of all kinds transiting the Canal during the month of March in the two preceding years and in 1934 are shown in the following tabulation:

Class of vessel	March 1932	March 1933	March 1934		
			Atlantic to Pacific	Pacific to Atlantic	Total
Commercial ocean vessels	363	399	270	268	538
Launches (under 20 tons net)	6	9	13	6	19
Noncommercial vessels:					
U.S. Government	52	40	12	13	25
For repairs	.....	4	.....	.....	.....
Total	421	452	295	287	582

COMMERCIAL TRAFFIC[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried and tolls collected, from the commercial traffic transiting the Canal each month for the 12-month period ended March 31, 1934, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1932-33	1933-34	1932-33	1933-34	1932-33	1933-34	1932-33	1933-34
April	370	370	1,863,692	1,839,597	1,443,731	1,527,978	$1,608,634.67	$1,554,250.14
May	357	372	1,956,958	1,883,249	1,676,790	1,629,982	1,717,401.26	1,617,943.65
June	336	364	1,743,150	1,901,117	1,404,558	1,691,247	1,534,793.19	1,629,411.28
July	326	401	1,676,492	2,051,128	1,259,981	1,699,039	1,468,728.36	1,732,164.93
August	314	416	1,658,112	2,159,995	1,349,453	1,914,014	1,440,848.87	1,829,754.49
September	353	408	1,868,391	2,096,538	1,347,144	1,797,497	1,598,265.98	1,758,587.41
October	394	467	1,988,133	2,416,200	1,582,261	2,125,927	1,714,779.06	2,036,909.16
November	388	463	2,035,796	2,395,359	1,531,509	1,949,913	1,756,865.84	2,001,692.77
December	431	496	2,080,069	2,617,656	1,621,581	2,191,683	1,781,940.03	2,204,134.64
January	415	500	2,069,218	2,582,131	1,463,503	2,087,292	1,762,808.56	2,160,679.83
February	368	468	1,832,658	2,462,760	1,434,862	2,124,440	1,575,708.35	2,079,696.80
March	399	538	1,989,044	2,703,372	1,738,227	2,465,387	1,718,908.41	2,281,485.72
Total	4,451	5,263	22,761,713	27,109,102	17,853,600	23,204,399	19,679,682.58	22,886,710.82

[1] Commercial traffic includes all ocean-going vessels paying tolls. Naval and other vessels owned and operated in the government service of the United States and Panama, war vessels of Colombia, and vessels transiting solely for repairs, are exempt from the payment of tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Traffic by Nationality of Vessels for March 1934

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	106	621,179	441,458	Italian	6	43,016	18,428
Chilean	1	4,167	6,048	Japanese	28	149,466	166,954
Danish	12	48,149	45,893	Norwegian	57	275,365	298,941
Danzig	6	47,793	50,659	Panamanian	40	29,397	7,570
Dutch	9	57,403	59,419	Spanish	[1] 1	.....	.....
Finnish	1	5,259	.....	Swedish	13	63,520	61,942
French	8	49,652	54,361	United States	216	1,192,733	1,118,659
German	28	96,191	97,528	Yugoslav	4	15,788	29,430
Greek	1	4,246	8,050				
Honduran	1	48	47	Total	538	2,703,372	2,465,387

[1] Naval training vessel of 3,297 tons displacement.

Traffic by Trade Routes, March 1934

The movement of vessels over trade routes is summarized in the following table. They are classified according to primary origin and ultimate destination of the voyage through the Canal and the cargo listed is the total aboard at time of transit. Cargo may be laden or discharged between the terminal areas indicated, hence in the cargo listed below there may be some which had other origin or destination:

Trade routes	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	76	449,664	166,273	80	466,745	689,338
East coast United States and:						
Canada	3	11,459	6,407	2	9,320	11,940
Central America	3	8,054	.....	1	1,990	1,040
South America	23	93,639	17,590	23	98,019	188,635
Balboa	1	3,571	3,150	1	3,571	.....
Hawaiian Islands	1	5,249	6,483	5	25,712	41,745
Australasia	5	28,327	24,520	.....	.....	.....
Philippine Islands	3	21,939	14,667	18	95,986	133,387
Far East	27	142,568	154,395	3	18,093	18,577
Europe and:						
United States	11	53,049	.....	4	14,464	16,724
Canada	26	155,191	30,585	45	247,109	347,236
Central America	2	6,064	4,764	3	5,741	5,896
South America	16	90,318	16,912	26	156,332	234,374
Australasia	10	91,750	21,190	12	90,190	77,507
Far East	3	12,993	12,299	5	25,920	41,609
Canadian intercoastal	1	5,208	3,940	.....	.....	.....
East coast Canada:						
South America	2	15,434	.....	2	14,489	31,710
Australasia	3	12,652	10,507	2	8,286	3,603
Far East	1	6,401	2,208	.....	.....	.....
Central American intercoastal	.....	.....	.....	1	48	47
East coast Central America and:						
South America	1	4,546	8,204	.....	.....	.....
Balboa	1	24	24	.....	.....	.....
South American intercoastal	1	1,031	640	.....	.....	.....
East coast South America and:						
Canada	4	18,436	9,263	1	5,033	7,574
Far East	1	5,798	4,465	.....	.....	.....
Cristobal and:						
United States	2	8,331	998	2	8,328	13,158
Central America	6	4,141	1,352	4	4,761	3,002
South America	7	4,819	3,229	9	7,701	8,095
Balboa	9	301	.....	13	418	427
West Indies and:						
United States	2	9,698	.....	1	5,969	10,833
Canada	1	4,647	7,000	.....	.....	.....
South America	1	620	.....	.....	.....	.....
Balboa	1	5,408	11,117	.....	.....	.....
Far East	2	9,664	16,118	.....	.....	.....
Africa and:						
South America	1	7,247	.....	.....	.....	.....
Around the world	3	27,639	12,341	1	7,006	8,289
Foreign vessels in ballast (U.S. intercoastal)	8	42,590	.....	.....	.....	.....
Vessels not engaged in commerce	[1] 2	377	.....	[2] 4	13,294	.....
Total	270	1,368,847	570,641	268	1,334,525	1,894,746

[1] Yachts. [2] Two yachts, 1 training ship, 1 cruise vessel.

Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in March 1934, and its destination by major geographical trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	180,576	18,516	166,412	14,941	22,380	402,825
Other North America	1,048	26,250	16,138	15,890	12,647	71,973
Europe	27,163	5,003	12,299	16,692	21,190	82,347
Miscellaneous	8,810	1,867	2,365	454	.....	13,496
Total	217,597	51,636	197,214	47,977	56,217	570,641

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	695,637	32,203	122,018	6,258	856,116
Canada	2,089	3,710	233,173	3,768	242,740
Other North America	46,619	8,512	12,108	.....	67,239
South America	179,958	42,521	231,947	12	454,438
Australasia	3,164	529	77,417	.....	81,110
Asia	148,818	2,270	41,609	406	193,103
Total	1,076,285	89,745	718,272	10,444	1,894,746

Principal Commodities

Commodities which aggregated 10,000 or more tons either during March 1934 or March 1933 are listed below:

Commodity	March		Commodity	March	
	1933	1934		1933	1934
Atlantic to Pacific	*Long tons*	*Long tons*	*Pacific to Atlantic*—Continued	*Long tons*	*Long tons*
Automobiles and parts	6,686	17,253	Cold storage (food products) [1]	18,454	35,652
Canned goods, various	8,166	11,727	Copra	14,930	8,377
Chemicals	5,931	10,503	Flour	16,848	30,448
Cotton, raw	32,461	25,941	Fruit, dried	19,863	25,756
Iron and steel, manufactures of	43,265	91,953	Fruit, fresh	29,724	33,612
Oils, mineral	56,291	65,528	Lumber	137,579	208,854
Paper	16,673	23,444	Metals	32,799	45,407
Phosphates	24,984	22,270	Nitrates	73,385	161,446
Scrap metal	35,230	57,988	Oats	18,192	10,877
Sugar	3,526	13,863	Oils, mineral	269,648	501,735
Sulphur	8,027	12,072	Oils, vegetable	13,489	14,768
Tinplate	8,591	25,209	Ores, principally iron	8,751	89,820
			Paper	11,701	10,223
Pacific to Atlantic			Soy beans	.....	41,866
Barley	23,753	14,556	Sugar	201,434	189,853
Beans, edible	9,759	12,190	Wheat	253,382	191,945
Canned goods, various	63,583	78,686	Wood pulp	10,722	11,039
Coffee	22,563	26,979	Wool	9,946	23,813

[1] Does not include fresh fruit.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of March 1934, as reported in the cargo declarations, showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise, but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts	1	.....	12	19
Agricultural implements	949	23	1,826	26
Alfalfa meal	.....	702	.....	822
Ammonium compounds	210	.....	8,526	900
Animal foods [1]	44	473	44	473
Apparel, wearing (hats, shoes, clothing, etc.)	228	.....	231	9
Asbestos	.....	.....	20	.....
Asphalt and tar	1,123	28	4,587	581
Automobiles (and autotrucks)	3,719	41	11,653	50

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Automobile parts and accessories	1,355	200	5,600	201
Bags and bagging, textile	396	59	1,404	321
Bananas				5,457
Barks, miscellaneous		33		429
Barley		539	2	14,556
Beans, edible, dry	37	5,964	78	12,190
Beer	176	62	195	75
Beverages, nonalcoholic	261		261	
Blood and tankage				270
Bones and bone meal			1,736	
Books and printed matter			31	2
Borax		680	12	6,758
Bran and pollards	38	1,323	38	3,523
Bricks and tile	245		638	
Camphor, crude				194
Canned and preserved goods:				
Fish	667	15,396	1,114	19,335
Fruit	1,706	28,669	1,960	43,440
Meat	53	100	538	186
Milk	11	441	264	641
Soup	3,817	40	3,890	40
Vegetables	1,491	4,482	1,606	4,650
Miscellaneous and unclassified	1,770	9,864	2,355	10,394
Carbon black	105	26	209	26
Celite		441		518
Cement	321		5,919	
Chalk			150	
Charcoal	27		42	
Chemicals[1]	5,360	828	10,503	866
Clay, china and fire	61	25	182	25
Clay, filtering		113		113
Clorox		142		142
Coal	1,579		1,579	
Cocoa and cocao beans	365	45	1,149	1,115
Coconuts and products[1]	61	418	120	1,165
Coffee	433	93	7,202	26,979
Coke			2,451	2
Cold storage and refrigerated products:				
Dairy products	16		153	20,062
Eggs	17	173	17	173
Fish	18	134	18	1,002
Lard	94		208	
Meats			80	13,696
Poultry		473		473
Vegetables		64	92	136
Other and unclassified	56		56	110
Confectionery	2,363		2,406	1
Copra				8,377
Copra meal and cake				1,270
Corn	1,331		3,028	1
Cotton, raw	182	1,504	25,941	3,355
Creosote	6,074		6,090	
Drugs and medicines	1,258	2	1,571	107
Dyes			259	
Earthenware	15	2	128	2
Eggs, dried				2
Electrical apparatus and appliances	423	38	460	117
Explosives	124	13	1,348	324
Extract, quebracho			654	
Fertilizers[1]	237	167	310	167
Fish, salted or dry-cured			2	13
Fish meal				6,279
Floor coverings	900	922	900	1,279
Flour	300	25,982	1,491	30,448
Fruit, dried	113	16,894	195	25,756
Fruit, fresh[1]		2,251	40	33,612
Furniture and household goods	480	448	482	460
General	20,342	8,538	44,322	24,564
Gallnuts				26
Glass and glassware	2,737	27	4,208	365
Glue	105	200	130	230
Groceries	855	1	1,109	63
Gums	10	27	10	97
Hair, all kinds	30	61	34	146
Hay	25	207	25	397
Hemp, unmanufactured		559	6	3,371
Honey		217		450
Hops			3	
Horns and hoofs			20	5
Infusorial earth		321	30	633

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	48,718	812	91,953	836
Ivory nuts	.....	.....	20	2,350
Jute, unmanufactured	.....	.....	20	10
Lard substitute	660	.....	660	.....
Lime	.....	.....	5	.....
Liquors	654	82	1,157	532
Lumber (including manufactured mill products)	1,063	113,192	1,181	208,854
Machinery (other than electrical)	3,111	436	8,521	526
Malt	.....	160	1	160
Manufactured goods [1]	1,157	44	4,910	187
Marble and granite	31	.....	156	.....
Matches	227	242	227	320
Metals:				
Antimony	.....	90	.....	192
Copper	10	7,584	335	27,672
Gold and silver	.....	2	.....	769
Iron	158	.....	889	.....
Lead	.....	1,970	1,552	7,192
Tin	53	20	637	2,900
Zinc	142	.....	584	5,487
Other and unclassified	9	31	46	1,195
Milk, powdered	6	631	6	944
Molasses and syrups	447	.....	503	8,004
Nitrates	1,500	1,325	5,655	161,446
Nuts, edible (including meats)	34	1,046	99	2,262
Oats	82	2,966	82	10,877
Oils, mineral:				
Crude	.....	.....	48	121,961
Gas and fuel	.....	264,875	20,680	305,682
Gasoline, benzine and naphtha	21	57,726	19,145	57,726
Kerosene	2,573	15,685	5,117	15,685
Lubricating and greases	8,376	289	20,428	661
Other and unclassified	110	20	110	20
Oils, vegetable:				
Coconut	.....	450	.....	10,385
Cottonseed	1,800	.....	1,801	3
Linseed	1,374	.....	1,506	.....
Olive	6	.....	181	.....
Rapeseed	.....	.....	.....	128
Wood	.....	.....	2	635
Other and unclassified	238	85	436	3,617
Oil, sh	.....	.....	89	1,447
Oil, whale	.....	.....	.....	70
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	.....	40	125	2,218
Oilseed cake and meal	.....	270	45	4,043
Ores:				
Antimony	.....	.....	.....	82
Chrome	.....	.....	.....	3,500
Copper	.....	.....	.....	5,038
Gold and silver	.....	.....	.....	5,532
Iron	.....	.....	472	66,052
Lead	.....	.....	.....	1,390
Magnesite	.....	155	.....	155
Manganese	302	3,391	302	3,391
Tin	.....	.....	.....	2,010
Zinc	.....	23	5	2,272
Other and unclassified	111	.....	2,802	398
Paints and varnishes	817	3	1,535	23
Paper and paper products [1]	6,927	6,057	23,444	10,223
Paper scrap	163	406	849	406
Peanuts	493	465	493	465
Peas, dry	.....	223	20	757
Peatmoss	.....	.....	632	.....
Phosphates	344	.....	22,270	.....
Plaster	.....	19	195	19
Porcelainware	95	130	223	2,827
Potash	.....	2,013	635	2,014
Pyrethrum flowers	.....	.....	.....	81
Rags and waste	.....	373	567	1,362
Railroad material	4,496	.....	5,975	.....
Rice	1,014	412	2,379	4,642
Rope and twine	233	98	441	231
Rosin	650	.....	2,753	33
Rubber:				
Manufactured	1,719	78	1,995	201
Raw	.....	.....	.....	187
Scrap	.....	50	25	146
Salt	267	.....	2,187	3,165
Sand	.....	.....	2,388	.....

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Scrap metal	53	210	57,988	778
Seeds (except oilseeds)	.....	1,191	302	1,322
Shells, oyster	318	.....	568	.....
Silk, raw	.....	818	3	2,511
Skins and hides	.....	2,720	72	5,183
Slag	.....	.....	1,976	.....
Slate	.....	.....	2	.....
Soaps and products	2,658	201	2,867	235
Soda and sodium compounds	1,304	.....	3,702	46
Soy beans	205	.....	209	41,866
Sugar	11	26,528	13,863	189,853
Sulphur	7,652	.....	12,072	5
Talc	.....	223	2	231
Tallow	.....	120	152	1,537
Tea	.....	.....	91	311
Textiles [2]	4,182	50	8,696	2,758
Tinplate	7,135	25	25,209	25
Tobacco and manufactures	1,098	32	7,804	118
Toilet preparations	360	26	393	132
Turpentine	57	.....	80	.....
Vegetables, dry [1]	.....	42	43	1,489
Wall board	38	.....	142	560
Wax, paraffin	186	.....	906	.....
Wheat	85	34,297	1,428	191,945
Wines	136	553	498	1,320
Wood pulp	152	10,067	783	11,039
Wool	41	4,090	253	23,813
Total, March 1934	180,576	695,637	570,641	1,894,746
Total, March 1933	128,510	417,287	393,927	1,344,300
Total, March 1932	199,492	362,882	530,497	1,113,455

[1] Except as otherwise classified. [2] Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during March 1934, classified according to trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	28	176,610	[1] 10,099	28	167,221	338,269
East coast United States and Balboa	1	3,571	3,150	1	3,571	.....
East coast United States and west coast South America	2	14,889	.....	.....	.....	.....
East coast United States and Hawaiian Islands	.....	.....	.....	1	4,284	[2] 8,004
East coast United States and Australasia	1	4,336	8,630	.....	.....	.....
East coast United States and Philippine Islands	.....	.....	.....	1	3,902	[3] 6,680
East coast United States and Far East	1	5,005	8,376	.....	.....	.....
East coast Canada and South America	2	15,434	.....	2	14,489	31,710
East coast Mexico and South America	1	4,546	8,204	.....	.....	.....
Cristobal and west coast United States	1	5,725	.....	1	5,725	12,187
West Indies and west coast United States	1	4,801	.....	1	5,969	10,833
West Indies and Balboa	1	5,408	11,117	.....	.....	.....
West Indies and Far East	1	4,559	9,293	.....	.....	.....
Europe and west coast United States	4	23,563	.....	1	4,943	9,690
Europe and west coast South America	4	26,996	.....	7	47,913	98,318
Africa and west coast South America	1	7,247	.....	.....	.....	.....
Total	49	302,690	58,869	43	258,017	515,691

[1] Creosote, tar oil, and vegetable oils. [2] Molasses. [3] Coconut oil.

Comparison of Canal Traffic in March 1934 with March Traffic in Previous Years

Calendar year	Month of March: Commercial transits	Month of March: Panama Canal net tonnage	Month of March: Tons of cargo	Fiscal year	Average per month for fiscal year: Commercial transits	Average per month for fiscal year: Panama Canal net tonnage	Average per month for fiscal year: Tons of cargo
1915	[1] 137	475,984	607,276	1915	[2] 102	361,197	465,567
1916	4	327	1	1916	63	199,687	257,843
1917	146	458,842	571,417	1917	150	483,213	588,213
1918	176	583,249	661,256	1918	172	547,839	627,669
1919	155	477,871	504,985	1919	169	510,416	576,385
1920	235	819,362	894,516	1920	206	712,170	781,208
1921	255	1,112,818	1,084,563	1921	241	951,323	966,601
1922	234	975,811	960,089	1922	228	951,455	907,075
1923	409	1,988,192	1,940,928	1923	331	1,550,482	1,630,656
1924	429	2,136,079	2,272,472	1924	436	2,179,073	2,249,559
1925	398	1,964,106	2,104,324	1925	389	1,904,596	1,996,570
1926	506	2,398,694	2,607,046	1926	433	2,064,549	2,169,787
1927	496	2,413,999	2,533,525	1927	456	2,185,651	2,312,351
1928	542	2,441,077	2,428,662	1928	538	2,454,886	2,469,226
1929	536	2,567,961	2,743,768	1929	534	2,468,483	2,555,250
1930	515	2,505,859	2,558,238	1930	515	2,498,385	2,502,519
1931	439	2,211,934	1,915,507	1931	461	2,316,012	2,090,233
1932	363	1,864,896	1,643,952	1932	376	1,968,785	1,650,667
1933	399	1,989,044	1,738,227	1933	375	1,901,823	1,514,811
1934	538	2,703,372	2,465,387	([3])	462	2,387,238	2,039,466

[1] Canal opened August 15, 1914. [2] Average for 10½ months. [3] Average for 9 months of fiscal year.

Terminal Activities

Ships repaired during the month of March 1934, numbered 50, including 14 which were drydocked. Fuel oil in the quantity of 413,276 barrels was delivered as bunkers to 159 commercial vessels. Bunker coal amounting to 6,316 tons was delivered to 23 commercial vessels. Sales of commissary supplies to ships amounted to $46,864.25.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving ... tons	50,453	50,509	101,052
Local cargo shipped ... tons	4,218	543	4,761
Cargo received for transshipment ... tons	43,113	499	43,612
Cargo transshipped ... tons	43,605	505	44,110
"Canal Zone for Orders" cargo:			
Number of receipts issued	21	8	29
Number of releases issued	92	20	112
Tons received	334	13	347
Tons withdrawn	226	28	254

All Vessels Entering and Clearing Port

	Port of Cristobal: No. of ships	Port of Cristobal: Registered gross tonnage	Port of Cristobal: Registered net tonnage	Port of Balboa: No. of ships	Port of Balboa: Registered gross tonnage	Port of Balboa: Registered net tonnage
Ships entering						
All vessels, including those transiting Canal	584	3,802,278	2,266,029	550	3,352,732	2,007,282
Vessels entering port but not transiting Canal	67	488,011	269,971	25	46,119	25,238
Vessels transiting Canal and handling passengers and cargo at terminal ports	127	843,406	497,419	89	644,798	374,515
Ships clearing						
All vessels, including those transiting Canal	580	3,766,756	2,245,337	550	3,342,736	2,001,144
Vessels clearing port but not transiting Canal	64	477,774	263,976	27	48,132	26,367
Vessels transiting Canal and handling passengers and cargo at terminal ports	122	820,031	483,665	88	636,438	369,467

Cargo Discharged and Laden in Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, March 15, 1934, to midnight, April 15, 1934. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Vancouver, 0, 196
Norwegian, 126, 0
Colombie, 0, 577
Quirigua, 475, 102
Sta. Teresa, 60, 375
Arica, 41, 138
Zacapa, 1,203, 343
Santa Maria, 12,187, 0
Tosca, 5, 0
Losada, 19, 345
Cali, 1,177, 667
Santa Inez, 63, 377
Istmo, 0, 221
Toloa, 297, 272¼
Haiti, 65, 1,068¼
Havel, 146, 381
Wyoming, 32, 131
Bennekom, 150½, 420
Salvador, 680, 530
Buenaventura, 0, 614
Pres. Lincoln, 393, 0
Juan S. Elcano, 0, 587
Poseidon, 73, 776
Cryssen, 103, 4
Quirigua, 446, 546
San Jose, 28, 128
Porta, 403, 70
Potter, 330, 0
Delftdijk, 242, 49½
San Angelo, 70, 0
Santa Rita, 883, 108
Sta. Catalina, 1,060, 8
Contessa, 203, 706
Real, 33, 83
Tuira, 51, 15
Witell, 95, 284
Benj. Franklin, 5, 0
Ancon, 1,603, 1,082
Point Breeze, 1,600, 0
VilledeStrasbourg, 1½,0
Iserlohn, 55, 602
Can. Leader, 15, 362
Tillie Lykes, 202, 176
Alkmaar, 24, 195
West Ivis, 88, 0
Santa Maria, 405, 512
Occidental, 938, 0
Kwanto Maru, 768, 202
Real, 0, 48
Istmo, 292, 111
Peten, 300, 18
Seattle, 120, 83
Pres. Pierce, 4, 0
Absaroka, 394, 0
Santa Lucia, 297, 197
Ulua, 382, 235
Pastores, 51, 325½
Metapan, 605, 428
Santa Ana, 1,494, 117
Crijnssen, 15, 891
Cordillera, 96, 20
Abraham Lincoln, 0, 390
Klondyke, 0, 3
Cerigo, 1,163, 748
Orduna, 78, ½
Deborah, 0, 75
Canada, 126, 42
Peten, 33, 252
San Francisco, 100, 423
Santa Rosa, 468, 50
E. J. Bullock, 9,400, 0
Mamari, 0, 1
San Gil, ½, 0
San Diego, 113, 0
Cefalu, 196, 527
Tai Yin, 675, 0
Dinteldijk, 0, 251
Barneveld, 188, 0
Vigilant, 0, 41
Amerika, 20, 0
Kirishima Maru, 616, 0
Flandre, 56, 503
Guayaquil, 1,142, 785
Sta. Cecilia, 129, 391½
Veragua, 633, 175
Washington, 203, 432
Colombia, 145, 3
Sixaola, 653, 307
Virgilio, 91, 334
Colombia, 61¾, 653
Manizales, 1,134½, 450
Santa Isabel, 240, 264
Calamares, 451, 169
San Francisco, 20, 52
Smyrna, 47, 67
Schwaben, 129, 24
Acajutla, 590, 0
Barneveld, 1 pkg., 285
Sanyo Maru, 638, 87
Balboa, 0, 370
Nubian, 285, 0
Cellina, 206, 0
Pres. Wilson, 1,161, 15
St. Catalina, 1,153, 102
Can. Cruiser, 111, 280
Veragua, 12, 238
Feodosia, 24, 190
Eisenach, 56, 873
Durazzo, 984, 334
Laurits Swenson, 400, 0
San Blas, 0, 3
Sambu, 16, 3
Real, 28, 50
Lochmonar, 165, 86
Contessa, 200, 615
Istmo, 275, 291
Cordillera, 82, 725
Mantilla, 8,765, 0
Orbita, 74, 489
Cristobal, 1,602, 638
Sta. Barbara, 237, 528
Quirigua, 582, 118
Santa Marta, 568, 391
Stella Lykes, 57, 117
San Lucas, 79, 0
Acajutla, 0, 569¼
Toloa, 343, 205
Haiti, 210, 544
Santa Paula, 312, 236
Santa Elisa, 1,033, 72
Colombia, 1, 255
Agira, 0, 351
Este, 145, 404
Quirigua, 21, 407
Baarn, 60, 303
Santa Elena, 284, 20
Cali, 953, 579
Laguna, 13, 71
Annie Johnson, 52, 0
Damsterdijk, 0, 127
Santa Olivia, 241, 0
Feltre, 0, 157
Cefalu, 258, 479
Davanger, 11,200, 0
Real, 33, 61
Sambu, 10, 15
Saarland, 42, 207
Vogtland, 99, 0
Asuka, Maru, 201, 0
Invercorrie, 1,133, 0
Orazio, 307, 0
Santa Maria, 12,000, 0
Marques de Comillas, 82, 0
Cuba, 69, 5
Buenos Aires, 0, 422
Portland, 112, 54
Witram, 20, 165
Santa Ana, 207, 249
Iris, 153, 47
Buenaventura, 1,831, 480
Pres. Harrison, 1, 0
Peten, 499, 98
Istmo, 282, 0
Salvador, 1,007, 0
Zacapa, 886, 61
Santa Rita, 126, 499
Cuba, 5, 575
Dakarian, 298, 0
Hokkai Maru, 851, 242
Nelson Traveler, 110, 0
Cerigo, 1,218, 0
Ulua, 480, 229
Pastores, 255, 613
Dean Emery, 10,430, 0
Pres. Cleveland, 601, 0
Winnipeg, 43, 161
Magallanes, 9, 0

BALBOA

Pres. Polk, 10, 0
Santa Teresa, 50, 14
Republic, 674, 200
Salvador, 7, 0
Reginolite, 11,586, 0
Santa Inez, 74, 13
Talamanca, 714, 28
Point Sur, 2,000, 0
Iocoma, 175, 0
California, 0, 7
Potter, 200, 0
Santa Catalina, 14, 0
San Mateo, 1, 0
Santa Rita, 56, 1
Absaroka, 437, 0
Alkmaar, 0, 241
Point Breeze, 3,133, 0
Sandar, 11,117, 0
Santa Maria, 48, 2
West Ivis, 19, 0
Santa Ana, 50, 0
Santa Lucia, 43, 10
Point Lobos, 424, 0
Cerigo, 0, 2
Santa Rosa, 218, 0
Tai Yin, 70, 0
S. M. Hauptman, 798, 0
Washington, 467, 0
Sunnanvik, 114, 0
Santa Cecilia, 78, 2
Sanyo Maru, 154, 0
Antigua, 693, 52
El Mirlo, 12,000, 0
Sta. Catalina, 0, 1
Rangitiki, 23, 0
Peter Maersk, 197, 0
Laurits Swenson, 375, 0
U.S.S. Vega, 12, 0
Pres. Lincoln, 1, 0
Sta. Barbara, 161, 92
Emergency Aid, 141, 0
Santa Elisa, 0, 4
Santa Paula, 77, 8
Santa Olivia, 60, 7
Point Arena, 1,607, 0
Santa Elena, 312, 2
California, 47, 0
Pres. Harrison, 4, 0
Istmo, 159, 0
Santa Rita, 0, 4
Chiriqui, 997, 60

Passengers

Ocean ship passengers disembarking at Cristobal numbered 1,554; embarking 1,688; at Balboa, 630 disembarking and 989 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 3,587, from the Pacific to the Atlantic, 3,744. Aircraft numbering 38 entered Cristobal, and 135 passengers disembarked; clearances were 43, with 114 passengers embarking; at Balboa entries of aircraft were 2, with 4 passengers; clearances, 2, with no passengers embarking.

High Net Tonnage in March 1934

The net tonnage (Panama Canal measurement), of the 538 commercial vessels transiting the Panama Canal during the month of March 1934, aggregating 2,703,372 tons, was the highest net tonnage of any month of March since the opening of the Canal. The previous high March net tonnage (Panama Canal measurement) occurred in 1929 when this feature aggregated 2,567,961 (on 536 ships). The number of transits (538) and the amount of tolls collected last month ($2,281,485.72) each were exceeded once in March traffic—the number of transits in 1928 when 542 vessels passed through, and the tolls in 1929 when $2,343,865.55 were collected. Cargo tonnage was comparatively low, the 2,465,387 tons passing through last month having been exceeded in March of 1926 (2,607,046 tons), 1927 (2,533,525 tons), 1929 (2,743,768 tons), and 1930 (2,558,238 tons).

Movements of Ocean Vessels Through the Panama Canal

From midnight March 15, 1934, to midnight April 15, 1934

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Vancouver	15	16	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Vancouver, B.C..	General.....	1,771
President Polk...	16	16	Amer..	Dollar Line.....	New York, N.Y..	S. Francisco, Cal.	General.....	3,464
American Star....	15	16	Amer..	Nelson S.S. Co.....	New York, N.Y..	Seattle, Wash....	General.....	1,978
Knut Hamsun...	15	16	Nor...	Chilean Nitrate Sales.	Newp't News, Va.	Chile.....	Ballast.....	.....
W. S. Rheem [1]...	15	16	Amer..	Standard Ship. Co....	New York, N.Y..	Los Angeles, Calif	Ballast.....	.....
Harry Luckenbach	16	16	Amer..	Luckenbach Line....	Boston, Mass....	Seattle, Wash....	General.....	4,730
Texas Planter....	16	17	Amer..	McCormick S.S. Co..	New York, N.Y..	Seattle, Wash....	General.....	2,189
Santa Teresa.....	16	17	Amer..	Panama Mail S.S. Co.	Philadelphia, Pa.	S. Francisco, Cal.	General.....	1,688
Arica.....	16	17	Fr....	French Line.....	Havre, France...	Coronel, Chile...	([13])	1,459
Istmo.....	15	17	Pan...	Elliot Ship. & Land Co	Cristobal, C.Z...	B'ventura, Col...	General.....	175
Tosca [2].....	16	17	Nor...	Knut Knutsen.....	Oslo, Norway....	Arica, Chile.....	General.....	1,033
Mallard [10].....	...	...	Amer..	U.S. Navy.....	Cristobal, C.Z...	Balboa, C.Z.....	Towing barge	.....
D. G. Scofield [1]...	16	17	Amer..	Standard Ship. Co....	Boston, Mass....	S. Francisco, Cal.	Ballast.....	.....
President Herrenschmidt [1 2]	16	17	Nor...	Pechelbronn.....	Port de Bouc, Fr.	Talara, Peru....	Ballast.....	.....
Comeric.....	17	17	Brit...	Andrew Weir & Co...	Greenock, Eng...	Shanghai, China.	Ballast.....	.....
Santa Maria [1]...	16	17	Amer..	Union Oil Co.....	Cristobal, C.Z...	Los Angeles, Cal.	Ballast.....	.....
Losada [2].....	16	17	Brit...	Pacific Steam Nav. Co	Hull, Eng.....	Corral, Chile....	General.....	4,506
Santa Inez [2].....	17	18	Amer..	Grace Line.....	New York, N.Y..	Talcahuano, Chile	General.....	3,325
Wyoming.....	17	18	Fr....	French Line.....	Antwerp, Belg...	Vancouver, B.C.	([14])	5,916
Bordeaux Maru..	17	18	Jap...	Kawasaki Docky'd Co	New York, N.Y..	Moji, Japan.....	([15])	6,525
Losmar.....	17	18	Amer..	Calmar Line.....	Baltimore, Md...	Seattle, Wash....	Gen., steel..	6,316
Montanan.....	18	18	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Portland, Oreg...	General.....	3,220
Lebore.....	18	18	Amer..	Ore S.S. Corp.....	Baltimore, Md...	Cruz Gr'de, Chile	Ballast.....	.....
San Gil.....	18	18	Pan...	United Fruit Co.....	Mobile, Ala.....	Pto. Arm'les, R.P	Ballast.....	.....
Cali.....	16	19	Ger...	North German Lloyd.	Cristobal, C.Z...	Puntarenas, C.R.	General.....	668
Poseidon.....	18	18	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Corral, Chile....	General.....	3,359
Armadale [2].....	18	19	Brit...	Aust. & Amer. Line...	New York, N.Y..	Fremantle, Aust..	Asphalt, gen.	6,207
Geo. W. Knight [1 2]	18	19	Danz..	Standard Ship. Co....	Terneuzen, Neth.	Talara, Peru....	Ballast.....	.....
Anglo Peruvian...	18	19	Brit...	Anglo-Can. Ship. Co..	S. Shields, Eng...	Vancouver, B.C..	Ballast.....	.....
Pacific Enterprise [2]	19	19	Brit...	Furness, Withy & Co..	Glasgow & Eng...	Vancouver, B.C..	General.....	37
Komaki Maru....	19	19	Jap...	Kokusai Kisen Kaisha	New York, N.Y..	Osaka, Japan....	([16])	5,743
Santa Cecilia.....	19	19	Amer..	Argonaut Line.....	New York, N.Y..	Seattle, Wash....	General.....	2,559
San Silvestre [1]....	19	20	Brit...	Eagle Oil & Ship. Co..	Pto. Mexico, Mex	Valparaiso, Chile.	([17])	8,204
Delftdyk [2].....	19	20	Neth..	Holland-Amer. Line..	Rotterdam, Neth.	Vancouver, B.C..	General.....	2,759
Meiwu Maru....	19	20	Jap...	Yamashita K. Kaisha.	Newport, Eng...	Portland, Oreg...	Ballast.....	.....
Harry G. Seidel [1 2]	19	20	Danz..	W. Tankschiff Rhed'i.	Mers el Kebir, Alg.	Talara, Peru.....	Ballast.....	.....
Steel Voyager....	19	20	Amer..	Isthmian S.S. Lines...	Mobile, Ala.....	Hilo, T.H.....	Steel, general	6,483
San Angelo.....	19	20	Amer..	Quaker Line.....	New York, N.Y..	Portland, Oreg...	General.....	1,630
West Cape.....	20	20	Amer..	McCormick S.S. Line.	New York, N.Y..	Tacoma, Wash...	General.....	3,062
Nordbo [2].....	20	20	Dan...	Anglo-Can. Ship. Co..	Manchester, Eng.	Los Angeles, Cal.	Ballast.....	.....
Golden Mountain.	20	20	Amer..	Williams S.S. Line...	Baltimore, Md...	Seattle, Wash....	General.....	1,405
Rashin Maru.....	20	20	Jap...	Yamashita K. Kaisha.	Hamburg, Ger...	Marshfield, Oreg.	Ballast.....	.....
Endurance [3].....	20	20	Pan...	R. Feuillebois.....	San Blas, R.P....	Panama, R.P.....	Coconuts...	23
Lena Luckenbach.	20	21	Amer..	Luckenbach Line.....	Houston, Tex....	Seattle, Wash....	General.....	4,831
Tolken.....	20	21	Swed..	G. Carlsson.....	Goth'burg, Swed.	Vancouver, B.C..	Ballast.....	.....
Vancouver City [2]..	20	21	Brit...	Reardon-Smith Line..	Boca Grande, Fla	Shanghai, China.	General.....	8,662
Benjamin Franklin [2]	20	21	Nor...	Fred Olsen & Co.....	Oslo, Norway....	Vancouver, B.C..	General.....	5,380
Santa Catalina [2]..	21	21	Amer..	Panama Mail S.S. Co.	Cristobal, C.Z...	Champ'ico, Guat.	Explosives..	8
Tennessee [2].....	21	21	Nor...	Wilh. Wilhelmsen...	Gulfport, Miss...	Portland, Oreg...	Ballast.....	.....
Sambu [2].....	20	..	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Tuira [2].....	20	21	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Pedregal, R.P....	General.....	46
Real [2].....	20	21	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Pedregal, R.P....	General.....	38
Point Breeze [1 2].	21	..	Amer..	Atlantic Refining Co.	Philadelphia, Pa.	Balboa, C.Z.....	Ballast.....	.....
Gertrude Maersk [2]	21	22	Dan...	A. P. Moller.....	Baltimore, Md...	Cebu, P.I.....	General.....	4,985
Jutland.....	21	22	Brit...	Glen & Co.....	London, Eng....	Vancouver, B.C..	Ballast.....	.....
Penrith Castle [2]..	22	22	Brit...	Barber Line.....	New York, N.Y.	Kobe, Japan....	General.....	4,531
Makiki.....	22	22	Amer..	Matson Nav. Co.....	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
S. C. T. Dodd [1]..	22	22	Amer..	J. B. Berry & Sons...	Tiverton, R.I....	Los Angeles, Cal.	Ballast.....	.....
Lillian Luckenbach.	22	22	Amer..	Luckenbach Line....	Providence, R.I..	Tacoma, Wash..	General.....	3,805
Hoyanger [2].....	22	22	Nor...	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B.C..	General.....	963
Alkmaar.....	22	23	Neth..	Royal Neth. S.S. Co..	Hamburg, Ger...	Talcahuano, Chile	General.....	1,887
Sandar [1 2].....	22	24	Nor...	Anglo-Saxon Pet. Co.	Curacao, D.W.I.	Balboa, C.Z.....	Fuel oil.....	11,117
Silverteak [2].....	22	22	Brit...	S. & J. Thompson....	Boston, Mass....	Bel'n Delhi, Sum.	General.....	1,166
Eli [2].....	22	23	Nor...	Jorgensens Rhederi...	Antwerp, Belg...	Shanghai, China.	General.....	7,275
Santa Maria [2]....	22	23	Amer..	Grace Line.....	New York, N.Y.	Valparaiso, Chile.	General.....	2,638
President Pierce..	23	23	Amer..	Dollar Line.....	New York, N.Y.	Manila, P.I.....	General.....	3,715
Occidental [1].....	22	23	Amer..	The Texas Co.....	Pt. Arthur, Tex..	Shanghai, China.	Oil.....	8,376
West Ivis.....	22	23	Amer..	McCormick S.S. Co..	Buenos Aires, Arg.	Vancouver, B.C..	([18])	1,802
Sunoil [1 2].....	23	23	Amer..	Sun Oil Co.....	Chester, Pa.....	Los Angeles, Cal.	Ballast.....	.....
Seattle [2].....	23	23	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Vancouver, B.C..	General.....	2,576

[1] Tanker. [2] Motor ship. [3] Motor schooner. [10] Mine sweeper. [13] Munitions, iron, and general. [14] Silver sand, coke, and china clay. [15] Phosphate and cotton. [16] General and scrap iron. [17] Gasoline and lubricating oil. [18] Coffee, cocoa, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
John Bakke [2]	23	24	Nor...	Scand.-So. Pacific Line	Oslo, Norway...	Corral, Chile....	([14])	907
Robin Adair	23	23	Amer..	Luckenbach Line....	Baltimore, Md...	Portland, Oreg...	Ballast	.....
Real [2]	22	23	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Pedregal, R.P....	General	70
Col. Riche	...	...	Amer..	U.S. Army	Cristobal, C.Z...	Gatun, C.Z.....	Ballast	.....
Rangitata [2]	23	24	Brit...	N.Z. Shipping Co....	London, Eng....	Pt. Chal'ers, N.Z.	General	3,383
Salvador	17	24	Brit...	Pacific Steam Nav. Co.	Cristobal, C.Z...	Champ'ico, Guat.	General	529
San Blas	24	24	Pan...	United Fruit Co.....	Mobile, Ala.....	Pto. Arm'les, R.P	Ballast	.....
Pennmar	23	24	Amer..	Calmar Line	Baltimore, Md...	Seattle, Wash...	Steel, gen...	4,393
North Cornwall	23	24	Brit...	S.S. Owners' Oper. Co.	Newp't News, Va.	Mazatlan, Mex..	Ballast	.....
Fordefjord [1] [2]	24	24	Nor...	Chilean Nitrate Sales.	Savannah, Ga...	Tocopilla, Chile..	Ballast	.....
J-26 [5]	...	...	Amer..	U.S. Army	Cristobal, C.Z...	Gatun, C.Z.....	Towingbarge	.....
Santa Lucia	24	25	Amer..	Panama Mail S.S. Co.	Philadelphia, Pa.	Seattle, Wash...	Coffee, gen..	3,175
Port Wellington	24	25	Brit...	Com'lth & Dom. Line	London, Eng....	Wellington, N.Z.	General	2,814
Point Salinas	24	25	Amer..	Swayne & Hoyt	Houston, Tex...	Seattle, Wash...	General	5,042
Texan	24	25	Amer..	Amer.-Hawaiian Line.	Boston, Mass...	Portland, Oreg...	General	3,050
Hertford	25	26	Brit...	Federal Steam Nav. Co.	Glasgow & Eng..	New Zealand....	Ballast	.....
Manatawny [1]	25	26	Amer..	Reilly Tai & Chem. Co.	Philadelphia, Pa.	Seattle, Wash...	([15])	7,099
El Sona [2]	24	...	Pan...	Pinel Brothers	Cristobal, C.Z...	Balboa, C.Z.....	Ballast	.....
Libertador [2]	24	...	Pan...	Pinel Brothers	Cristobal, C.Z...	Balboa, C.Z.....	Ballast	.....
Yuri Maru	25	26	Jap...	Kokusai K. Kaisha...	Galveston, Tex..	Osaka, Japan....	General	8,963
Anniston City	26	26	Amer..	Isthmian S.S. Lines..	Portland, Me....	Seattle, Wash...	General	6,562
Thalia [6]	25	27	Amer..	Thos. M. Howell	Miami, Fla.....	Galapagos Islands	Ballast	.....
Istmo	23	26	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	B'ventura, Col...	General	100
Canadian Runner	25	26	Brit...	Margaree S.S. Co....	New Orleans, La.	Yawata, Japan..	Scrap iron...	2,22
Edgar F. Luckenbach.	26	26	Amer..	Luckenbach Line....	Mobile, Ala.....	Los Angeles, Cal.	Ballast	.....
Brand [2]	26	27	Nor...	Vest. Handleskomp'i.	Aalborg, Den....	Corinto, Nica'gua	([16])	3,700
Canada [2]	26	27	Swed..	Johnson Line	Goth'burg, Swed.	Vancouver, B.C..	Paper, gen..	3,388
City of Tokio	26	27	Brit...	Norton, Lilly & Co...	Philadelphia, Pa.	Sydney, Aust'lia.	General	3,644
Devon City	27	27	Brit...	Reardon-Smith Line..	Liverpool, Eng..	Vancouver, B.C..	Ballast	.....
Guardian [1] [3]	26	27	Amer..	All America Cables...	Miami, Fla.....	B'ventura, Col...	Ballast	.....
San Diego	27	27	Amer..	States S.S. Co	Philadelphia, Pa.	Tacoma, Wash..	General	2,787
Amerikaland [2]	27	27	Swed..	Ore S.S. Corp	Baltimore, Md...	Cruz Gr'de, Chile	Ballast	.....
Alaskan	27	27	Amer..	Amer.-Hawaiian Line.	Boston, Mass...	Seattle, Wash...	General	3,313
Santos Maru [2]	27	27	Jap...	Osaka Shosen Kaisha.	Buenos Aires, Arg.	Kobe, Japan....	General	4,465
Pirate [3]	27	...	Pan...	E. J. Hooper	Cristobal, C.Z...	Gatun, C.Z. [17]...	Bananas	.....
E. J. Bullock [2]	26	28	Amer..	Standard Ship. Co....	Aruba, D.W.I...	Los Angeles, Cal.	Ballast	.....
Birmingham City	27	28	Amer..	Isthmian S.S. Lines..	Baltimore, Md...	Shanghai, China.	([18])	8,647
Cerigo	25	28	Ger...	Hamburg-Amer. Line.	Cristobal, C.Z...	Guayaquil, Ecuad	General	700
Beaconhill [2]	28	29	Amer..	Standard Ship. Co...	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Tuira [2]	27	...	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Balboa, C.Z.....	Ballast	.....
Sambu [2]	27	...	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Balboa, C.Z.....	Ballast	.....
Antigone	28	29	Brit...	C. Czarnikow	Boca Gr'de, Cuba	Vancouver, B.C..	Sugar	7,000
Bronxville [2]	28	29	Nor...	Fern Line	New Orleans, La.	Los Angeles, Cal.	Ballast	.....
Gertrude Kellogg [1]	28	29	Amer..	Kellogg S.S. Co	Houston, Tex....	S. Francisco, Cal.	Vegetable oil	3,000
Athelbeach [1] [2]	29	29	Brit...	Stand. Vacuum Tr'sp.	Aruba, D.W.I...	Shanghai, China.	Fuel oil	9,293
Amerika [2]	29	29	Dan...	East Asiatic Co	Copenhagen, Den.	Vancouver, B.C..	General	305
T. J. Williams [2]	29	29	Amer..	Standard Ship. Co...	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Leeds City	29	29	Brit...	Reardon-Smith Line..	Cardiff, Wales...	Portland, Oreg...	Ballast	.....
Wm. Rockefeller [1]	29	30	Amer..	Standard Ship. Co...	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Heffron	29	29	Amer..	Pac. Coast Direct Line	Boston, Mass...	Tacoma, Wash..	Steel, gen...	1,249
Horace Luckenbach.	29	29	Amer..	Luckenbach Line....	Boston, Mass....	Seattle, Wash...	General	2,760
Margaret Johnson. [2]	29	30	Swed..	Johnson Line	Stockholm, Swed.	Vancouver, B.C..	Paper, gen..	477
Calgarolite [1] [2]	29	30	Brit...	Imperial Oil Co	Halifax, N.S....	Talara, Peru....	Ballast	.....
Chriscraft No. 6 [5]	...	...	Pan...	E. Pucci	Cristobal, C.Z...	Balboa, C.Z.....	Ballast	.....
Point Ancha	29	30	Amer..	Swayne & Hoyt, Inc.	Beaumont, Tex..	Seattle, Wash...	([19])	2,318
Yomachichi [2]	29	30	Amer..	Roosevelt Line	Baltimore, Md...	Shanghai, China.	General	3,006
Bonneville [2]	29	30	Nor...	Isbrandtsen Moller Co	Chester, Pa.....	Yokohama, Jap..	General	1,600
Montreal Maru	29	30	Jap...	Kawasaki K. Kaisha.	Charleston, S.C..	Vancouver, B.C..	Ballast	.....
Felix Taussig	30	30	Amer..	McCormick S.S. Co..	Philadelphia, Pa.	Seattle, Wash...	Steel, gen...	3,186
President Adams	30	30	Amer..	Dollar Line	New York, N.Y.	S. Francisco, Cal.	Tinpl'te, gen.	5,202
Bethore	30	30	Amer..	Ore S.S. Corp	Baltimore, Md...	Cruz Gr'de, Chile	Ballast	.....
Santa Cecilia	30	31	Amer..	Panama Mail S.S. Co.	New York, N.Y.	S. Francisco, Cal.	General	2,342
Calmar	30	30	Amer..	Calmar Line	Baltimore, Md...	Seattle, Wash...	Gen., steel..	5,445
Orca [5]	...	...	Amer..	U.S. Army	Cristobal, C.Z...	Balboa, C.Z.....	Ballast	.....
Icy V [5]	...	...	Amer..	L. H. Brereton	Cristobal, C.Z...	Balboa, C.Z.....	Ballast	.....
Iris	30	31	Neth..	Royal Neth. S.S. Co..	Aruba, D.W.I...	Guayaquil, Ecuad	Ballast	.....
Gaelic Star	30	31	Brit...	Blue Star Line	Newcastle, Eng..	Vancouver, B.C..	Ballast	.....
Amagisan Maru [2]	30	31	Jap...	Mitsui & Co	New York, N.Y.	Kobe, Japan....	General	7,335
Ibukisan Maru	30	31	Jap...	Mitsui & Co	New York, N.Y.	Yawata, Japan..	([20])	3,704
City of Winnipeg.	31	4-1	Brit...	Ellerman & Bucknall.	Philadelphia, Pa.	Dairen, China...	General	6,449
Athelsultan [1] [2]	31	3-1	Brit...	Assan Bussan & Co..	Hull, Eng	Los Angeles, Cal.	Ballast	.....
Trevaylor	31	31	Brit...	Hain S.S. Co	New York, N.Y.	Portland, Oreg...	Ballast	.....
California Express. [2]	31	4-2	Nor...	Fruit Express Line...	Goth'burg, Swed.	Seattle, Wash...	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [6] Yacht. [13] Cable ship. [14] General and explosives. [15] Creosote and tar oil. [16] Cement and cattle. [17] And return to Cristobal. [18] Tinplate, tobacco, etc. [19] Lumber, general, oil. [20] Scrap steel and rosin.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Santa Isabel	31	31	Amer.	Grace Line	New York, N.Y.	San Antonio, Chile	Steel, gen.	2,803
Mexican	31	31	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,502
Schwaben	3-31	4-1	Ger.	North German Lloyd.	Hamburg, Ger.	Portland, Oreg.	General	2,002
Mabriton	31	1	Brit.	R. Chapman & Sons	S. Shields, Eng.	Arica, Chile	Ballast	.....
Childar [2]	31	1	Nor.	Wiel & Amundsen	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
San Mateo	4-1	1	Amer.	United Fruit Co	Mobile, Ala	Guayaquil, Ecuad	Ballast	.....
Victoria Maru	3-31	1	Jap.	Kokusai K. Kaisha	Pt. Tampa, Fla.	Kobe, Japan	([13])	7,864
Moveria [2]	4-1	1	Brit.	Donaldson Line	Glasgow & Eng.	Vancouver, B.C.	General	900
Jacob Luckenbach	1	1	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	4,833
Gulfcrest [1] [2]	1	1	Amer.	Gulf Refining Co	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
San Francisco	3-31	1	Fr.	French Line	Antwerp, Belg.	Vancouver, B.C.	([14])	5,763
H_2O K_9 [5]	...	...	Amer.	W. J. Bennett	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Pee Wee [5]	...	...	Amer.	C. Moterberg	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Snoozle [3]	...	...	Amer.	W. Tullsen	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Cellina [2]	4-1	2	Ital.	Nav. Libera Triestina	Trieste, Italy	Vancouver, B.C.	General	2,565
Lycia [2]	1	2	Brit.	Canadian Transp. Co.	Halifax, N.S.	Tacoma, Wash.	General	3,724
Tilthorn	1	2	Nor.	Chilean Nitrate Co.	Charleston, S.C.	Iquique, Chile	Ballast	.....
Flint No. 2	1	2	Nor.	Chilean Nitrate Sales.	Newp't News, Va.	Tocopilla, Chile	Ballast	.....
Port Hobart [2]	2	2	Brit.	Com'lth & Dom. Line	Glasgow & Eng.	N.Plymouth, N.Z.	General	5,086
Pacific Exporter [2]	2	2	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B.C.	General	594
W. H. Libby [1]	2	2	Amer.	Standard Ship. Co	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Manizales	3-30	2	Ger.	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	250
Pirate [3]	4-2	...	Pan.	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z. [15]	Bananas	.....
Santa Catalina [2]	1	3	Amer.	Panama Mail S.S. Co.	Cristobal, C.Z.	S. Francisco, Cal.	General	106
Induna	2	3	Brit.	Inter. Freighting Co.	Norfolk, Va	Chile	Ballast	.....
Noreg [1] [2]	2	3	Nor.	H. M. Wrangell Co	Oslo, Norway	Talara, Peru	Ballast	.....
Feodosia	2	3	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Mazatlan, Mex.	General	1,437
Steel Engineer	2	3	Amer.	Isthmian S.S. Lines	Mobile, Ala	Portland, Oreg.	General	6,925
Sage Brush	3	3	Amer.	Shepard S.S. Co	Boston, Mass.	Seattle, Wash.	General	5,568
Turakina	3	4	Brit.	N.Z. Shipping Co	Liverpool, Eng.	Wellington, N.Z.	Ballast	.....
Larry Doheny [1]	3	3	Amer.	Richfield Oil Co	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Laurits Swenson [2]	3	4	Nor.	Fred Olsen & Co	Hull, Eng	Vancouver, B.C.	General	5,658
Eisenach	2	3	Ger.	North German Lloyd.	Hamburg, Ger.	Talcahuano, Chile	General	2,756
F.H.Bedford, jr. [1] [2]	3	4	Amer.	Anglo-Amer. Oil Co.	Ceuta, Morocco	Talara, Peru	Ballast	.....
Lochmonar [2]	3	4	Brit.	Royal Mail Line, Ltd.	Rotterdam, Neth.	Vancouver, B.C.	General	1,043
Papoose [2]	3	4	Amer.	G. H. Corse	Houston, Tex.	Tacoma, Wash.	Gasoline	8,300
Dakotan	3	4	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	3,798
Fernwood [2]	4	4	Nor.	Fern Line	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Mandalay	4	4	Brit.	Com'lth & Dom. Line	New York, N.Y.	Fremantle, Aus'ia	General	4,664
Taranger [2]	3	4	Nor.	Interocean Line	Rotterdam, Neth.	Vancouver, B.C.	Ballast	.....
F. W. Abrams [1]	4	4	Amer.	Standard Ship. Co	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Glaucus	4	4	Brit.	Alfred Holt & Co	Boston, Mass.	Yokohama, Japan	General	5,498
Gulfwax [1]	4	4	Amer.	Gulf Refining Co	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Tuira [2]	3	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Sambu [2]	3	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	20
Real [2]	3	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	33
Orbita	4	5	Brit.	Pacific Steam Nav. Co	Liverpool, Eng.	Valparaiso, Chile	General	2,944
Willamette Valley [2]	4	5	Brit.	Sir W. R. Smith Sons.	Tampa, Fla	Kobe, Japan	([16])	7,800
President Lincoln	5	6	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	([17])	3,007
Anglo-Australian	4	5	Brit.	Anglo-Canadian Co.	S. Shields, Eng.	Vancouver, B.C.	Ballast	.....
Istmo	3	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	300
Filleigh	4	5	Brit.	Furness, Withy & Co.	Barry, Eng.	Vancouver, B.C.	Ballast	.....
Frumenton	4	5	Brit.	Norton, Lilly & Co.	N. Shields, Eng.	Portland, Oreg.	Ballast	.....
Willboro	5	5	Amer.	Amer.-Hawaiian Line.	Bridgeport, Conn	Tacoma, Wash.	General	2,032
J. L. Luckenbach	5	5	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	([17])	3,203
Beaconoil [1]	4	5	Amer.	Standard Ship. Co	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Steel Mariner	5	5	Amer.	Isthmian S.S. Lines	Portland, Me.	Seattle, Wash.	General	6,935
Hokuroku Maru [2]	5	5	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Moji, Japan	General	8,056
Utacarbon [2]	5	6	Amer.	Union Oil Co	Tiverton, R.I.	Los Angeles, Cal.	Ballast	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Robin Gray	6	6	Amer.	Luckenbach Gulf S.S. Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Marore	6	6	Amer.	Ore S.S. Corp	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Tai Ping [2]	6	6	Nor.	Barber-Wilhelm. Line	Philadelphia, Pa.	Shanghai, China	Iron, gen.	4,689
San Salvador [1]	6	6	Brit.	Eagle Oil Ship. Co	London, Eng.	Los Angeles, Cal.	Ballast	.....
Santa Barbara [2]	5	6	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	2,218
Victolite [1] [2]	6	6	Brit.	Imperial Oil Co	New York, N.Y.	Lobitos, Peru	Ballast	.....
Jane Christenson	6	6	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	2,211
Acajutla	3-31	7	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	500
San Lucas	4-6	7	Amer.	Quaker Line	Boston, Mass.	Seattle, Wash.	([17])	2,665
A. C. Bedford [1]	6	7	Amer.	Standard Ship. Co	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Emergency Aid	7	7	Amer.	McCormick S.S. Co.	Buenos Aires, Arg.	Vancouver, B.C.	([18])	4,434
Dryden	7	7	Amer.	Lykes Bros.-Ripley	Galveston, Tex.	Cebu, P.I.	General	6,335
LaBrea [1]	7	8	Amer.	Union Oil Co	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Point Brava	7	7	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	([19])	4,922
El Sona [2]	6	...	Pan.	Pinel Brothers	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Libertador [2]	6	...	Pan.	Pinel Brothers	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [13] Cotton, phosphates, scrap metals. [14] Coke, ammonia, etc. [15] And return to Cristobal. [16] Cotton, sulphur, etc. [17] General and automobiles. [18] Bones, coffee, etc. [19] Iron, steel, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Santa Paula	7	8	Amer.	Panama Mail S.S. Co.	New York, N.Y.	S. Francisco, Cal.	Gen., coffee	3,136
Tainui	7	8	Brit.	Shaw, Savill & Albion	London, Eng.	New Zealand	General	3,270
Agira	7	8	Ger.	North German Lloyd.	Bremerh'n, Ger.	Acajutla, Sal'dor.	General	385
Henry D. Whiton.	8	8	Amer.	Texas-Gulf Sulph'r Co	Galveston, Tex.	Tacoma, Wash.	Sulphur	6,301
Durazzo	2	8	Ger.	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil, Ecuad	General	334
Malay [1]	7	8	Amer.	U.S. Navy	New Haven, Conn	Los Angeles, Cal.	Ballast	.....
Fordsdale	7	8	Brit.	Shaw, Savill & Albion	London, Eng.	New Zealand	Ballast	.....
Franz Klasen [1] [2]	7	8	Danz.	W. Tankschiff Rhed'i.	Rotterdam, Neth.	Talara, Peru	Ballast	.....
Steelore	7	8	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Athelregent [1] [2]	7	8	Brit.	H. P. Drewry	Falmouth, Eng.	LaLibertad, Ecua.	Ballast	.....
Athelprincess [1] [2]	8	8	Brit.	United Molasses Co.	Liverpool, Eng.	Los Angeles, Cal.	Ballast	.....
Arizonan	8	9	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,855
Missoula	8	9	Amer.	Pacific-Con. Grain Co.	Newp't News, Va.	Los Angeles, Cal.	Ballast	.....
S-13 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-14 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Pasajero [3]	7	9	Hond.	Francisco Beltram	Pto.Cast'la, Hon.	Corinto, Nic'gua.	Ballast	.....
Harold Walker [1]	8	9	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Teal [10]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Towingbarge	.....
S-16 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-17 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Steel-Scientist	8	9	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Penang, St. Sett.	General	7,641
S-10 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-11 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-48 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Yorkmar	8	9	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,458
Dalcross	9	9	Brit.	United Steam Nav. Co.	S. Shields, Eng.	Vancouver, B.C.	Ballast	.....
Golden Kauri	9	9	Amer.	Swayne & Hoyt	Houston, Tex.	S. Francisco, Cal.	Ballast	.....
Ontariolite [1] [2]	9	10	Brit.	Imperial Oil Co.	Caripito, Venez.	Tocopilla, Chile.	Fuel oil	11,717
Lapwing [10]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Baarn	9	10	Neth.	Royal Neth. S.S. Co.	Amsterdam, Neth	Corral, Chile	General	1,529
Ortwo	9	10	Nor.	S.S. Co. Cosmopolite.	Norfolk, Va.	Yawata, Japan	Scrap iron	9,266
Aldington Court [2]	9	10	Brit.	Anglo-Can. Ship. Co.	London, Eng.	S. Francisco, Cal.	Sugar	3,360
O. B. Sorensen [1] [2]	10	10	Nor.	Anglo-Saxon Pet. Co.	Falmouth, Eng.	Los Angeles, Cal.	Ballast	.....
District of Columbia. [1]	10	10	Amer.	Standard Ship. Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Missourian [2]	10	10	Amer.	Amer.-Hawaiian Line.	Boston. Mass.	Seattle, Wash.	General	3,683
Hugoton [1]	10	10	Amer.	U.S. Navy	Providence, R.I.	Los Angeles, Cal.	Ballast	.....
Annie Johnson [2]	10	10	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B.C.	General	2,054
Laguna [2]	10	10	Brit.	Pacific Steam Nav. Co	Hull, Eng.	Corral, Chile	General	3,531
Pirate [3]	10	...	Pan.	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z. [13]	Bananas	.....
Gen. Wm. M. Graham. [11]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Edwin Christenson.	10	11	Amer.	McCormick S.S. Co.	Norfolk, Va.	Seattle, Wash.	General	3,696
San Anselmo	11	11	Amer.	Quaker Line	N. London, Conn	Portland, Oreg.	Ballast	.....
Peter Kerr	11	11	Amer.	Quaker Line	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Hanley	11	11	Amer.	Nacirema Oper. Co.	Boston, Mass.	Tacoma, Wash.	General	1,562
Saarland	10	11	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	1,813
Sambu [2]	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto.Arm'les, R.P.	General	18
Real [2]	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto.Arm'les, R.P.	General	40
Orazio [2]	11	12	Ital.	Soc. Ital. Flotte Riu'ite	Genoa, Italy	Valparaiso, Chile.	General	360
Frank Lynch [2]	11	12	Amer.	Pacific-Con'l Grain Co	Freeport, Tex.	S. Francisco, Cal.	Sulphur	2,561
Gulfpenn [1]	11	12	Amer.	Gulf Refining Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Camden [1]	11	12	Amer.	Standard Ship. Co.	Newp't News, Va.	Los Angeles, Cal.	Ballast	.....
Florida Maru [2]	11	12	Jap.	Kawasaki Docky'd Co	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Dorothy Luckenbach.	12	12	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,104
Taranaki [2]	12	13	Brit.	Shaw, Savill & Albion	London, Eng.	Pt. Chal'ers, N.Z.	General	2,593
Mercury Sun [1] [2]	12	12	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Athelregent [1] [2]	12	13	Brit.	United Molasses Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	.....
Portland [2]	12	13	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	3,088
Brilliant [1] [2]	12	13	Amer.	Stand. Vacuum Tr'sp.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
California	13	13	Amer.	Panama-Pacific Line.	New York, N.Y.	S. Francisco, Cal.	General	3,010
President Harrison	13	13	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	([14])	4,005
Santa Maria [1]	11	13	Amer.	Union Oil Co.	Cristobal, C.Z.	Los Angeles, Cal.	Ballast	.....
Cornwall	13	14	Brit.	Federal Steam Nav. Co.	London, Eng.	Auckland, N.Z.	Ballast	.....
Chilore	13	13	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Santa Ana	12	14	Amer.	Panama Mail S.S. Co.	New York, N.Y.	S. Francisco, Cal.	General	1,765
Romsdalshorn	13	13	Nor.	Chilean Nitrate Sales.	Newp't News, Va.	Tocopilla, Chile.	Ballast	.....
Charles G. Black [1]	13	14	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
F. J. Luckenbach.	14	14	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	Ballast	.....
San Gil	14	14	Pan.	United Fruit Co.	Mobile, Ala.	Pto.Arm'les, R.P.	Ballast	.....
Seisho Maru	14	14	Jap.	Mitsui Line	New York, N.Y.	Bellingham, Wash	Ballast	.....
Santa Rita [2]	13	14	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	3,184
Uganda	14	14	Brit.	McClay & McIntyre.	Boston, Mass.	Vancouver, B.C.	Ballast	.....
San Blas	15	15	Pan.	United Fruit Co.	Mobile, Ala.	Guayaquil, Ecuad	Ballast	.....
Oregonian	14	15	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	1,989

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [7] Submarine. [10] Mine sweeper. [11] Mine planter. [13] And return to Cristobal. [14] Machinery and general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Heranger [2]	14	15	Nor...	Interocean S.S. Corp.	Rotterdam, Neth.	Vancouver, B.C..	Passengers..	.....
Nelson Traveler..	14	15	Amer..	Nelson Line.....	New York, N.Y.	Seattle, Wash...	Coal, gen...	3,720
Cali.....	9	15	Ger...	North German Lloyd.	Cristobal, C.Z...	Guayaquil, Ecuad	General.....	551
Winnipeg.....	15	15	Fr.....	French Line.....	Havre, France...	Vancouver, B.C..	Gen., wines.	3,846
Lossiebank [2].....	15	16	Brit...	Bank Line, Ltd.....	Boston, Mass....	Shanghai, China.	General.....	4,908
Robin Goodfellow	15	15	Amer..	Luckenbach Gulf S.S. Co.	Houston, Tex....	Tacoma, Wash..	([13])	6,235
Trimountain [2]....	15	16	Amer..	Shell Terminal Co....	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
S-48 [7].....	...	...	Amer.	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
S-10 [7].....	...	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
S-14 [7].....	...	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
S-13 [7].....	...	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
Dagfred [2].....	16	17	Nor...	Anglo-Can. Ship. Co.	Pt. Alberni, B.C.	London, Eng....	([14])	7,800
Port Hunter.....	16	16	Brit...	Com'lth & Dom. Line	Bluff, N.Z.....	London, Eng....	Frozen, gen.	5,818
Alaska [2].....	16	16	Nor...	Chilean Nitrate Sales.	Tocopilla, Chile..	Wilmington, N.C.	Nitrates....	7,658
Cali.....	16	18	Ger...	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z..	General.....	1,056
Gulfwax [1].....	16	17	Amer..	Gulf Refining Co....	Los Angeles, Cal.	New York, N.Y.	Fuel oil.....	13,541
Salvador.....	16	..	Brit...	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z...	General.....	680
Willkeno.....	16	17	Amer..	Williams S.S. Line...	Seattle, Wash...	N. London, Conn	Lumber, gen.	10,091
Steel Worker.....	17	17	Amer..	Isthmian S.S. Lines..	Vancouver, B.C..	Swansea, Eng...	General.....	7,507
Republic.....	16	17	Amer..	U.S. Army.....	Honolulu, T.H...	Brooklyn, N.Y..	Army gen...	385
Havel [2].....	17	18	Ger...	North German Lloyd.	Vancouver, B.C..	Antwerp, Belg...	General.....	8,291
Andrea F. Luckenbach.	16	17	Amer..	Luckenbach Line....	Seattle, Wash...	Boston, Mass....	General.....	10,460
President Lincoln.	18	18	Amer..	Dollar Line.....	Manila, P.I.....	New York, N.Y.	General.....	6,166
Brazos [3].....	17	19	Amer..	U.S. Navy.....	Los Angeles, Cal.	New York, N.Y.	Fuel oil.....	7,471
Beaconoil [1].....	17	18	Amer..	Shell Oil Co.....	Los Angeles, Cal.	Fall River, Mass.	Gasoline....	8,468
Nailsea Moor....	18	19	Brit...	Chilean Nitrate Sales.	Tocopilla, Chile..	Mobile, Ala.....	Nitrates....	6,970
Brynje [2].....	18	18	Nor...	Canadian Transp. Co.	Vancouver, B.C..	Dublin, I.F.S....	([15])	6,678
Nevadan.....	18	18	Amer..	Amer.-Hawaiian Line.	Portland, Oreg...	Boston, Mass....	General.....	7,913
Utacarbon [1].....	18	18	Amer..	Union Oil Co.....	Los Angeles, Cal.	Tiverton, R.I....	Gasoline....	10,571
Hindanger [2].....	18	18	Nor...	Interocean Line.....	Vancouver, B.C..	Havre, France...	Wheat, gen..	7,088
Nosa King.....	18	19	Amer..	Nosa Line.....	Tocopilla, Chile..	New York, N.Y.	Copper ore..	4,800
Victor Ross [1].....	18	19	Danz..	W. Tankschiff Rhed'i.	Talara, Peru....	Le Havre, France	Crude oil...	16,984
Missoula.....	19	19	Amer..	Pac.-Cont. Grain Co..	Portland, Oreg...	Newp't News, Va	Wheat.....	5,427
Porta.....	19	20	Ger...	North German Lloyd.	Lota, Chile.....	Bremen, Ger....	General.....	6,032
Monkleigh.....	19	19	Brit...	Anglo-Can. Ship. Co.	Portland, Oreg...	Liverpool, Eng..	([15])	9,124
San Jose.....	19	19	Fr....	French Line.....	Vancouver, B.C..	Havre, France...	General.....	6,417
San Vincente.....	19	19	Amer..	Quaker Line.....	Portland, Oreg...	Philadelphia, Pa.	Lumber, gen.	6,970
Skramstad [2].....	19	19	Nor...	Fern Line.....	Bayang Pt., P.I..	Cape Hatteras [16].	Sugar.....	7,500
Potter [2].....	19	20	Amer..	Roosevelt S.S. Co....	Iloilo, P.I.....	New York, N.Y.	Sugar, gen..	7,757
El Oso [1].....	19	19	Brit...	C. T. Bowring & Co..	Cabo Bl'ca, Peru.	Ellesm'e Pt., Eng.	Crude oil...	9,422
Santa Catalina [2]..	19	21	Amer..	Grace Line.....	S. Francisco, Cal.	Cristobal, C.Z...	Coffee, gen..	971
California.....	19	20	Amer..	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General.....	5,986
District of Columbia. [1]	19	20	Amer..	Standard Ship. Co...	Los Angeles, Cal.	Providence, R.I..	Fuel oil.....	10,175
Witell.....	20	21	Ger...	North German Lloyd.	Vancouver, B.C..	Hamburg, Ger...	General.....	7,347
Anglo Canadian [2].	20	20	Brit...	G. Scales.....	Wellington, N.Z.	Dunkirk, France.	Wheat, wool.	7,250
San Mateo.....	20	20	Amer..	United Fruit Co.....	Guayaquil, Ecuad	Mobile, Ala.....	Bananas....	1,494
Sally Maersk [2]....	20	20	Dan...	Isbrandtsen Moller...	Coquimbo, Chile.	Baltimore, Md...	([17])	4,716
Roxen.....	20	20	Swed..	Morris, Hedstrom, Ltd.	Pagou'ne, N.Cal'a	London, Eng....	([18])	7,846
Valdirosa.....	20	20	Ital...	Lloyd Mediteraneo...	Tocopilla, Chile..	Azores [16].....	Nitrates....	7,250
Real [2].....	20	21	Pan...	A. A. Valdes.....	Bayana Riv. R.P.	Cristobal, C.Z...	Bananas....	39
Point Chico.....	20	20	Amer..	Swayne & Hoyt.....	Portland, Oreg...	Tampa, Fla.....	Lumber, gen.	3,738
Santa Rita [2].....	20	21	Amer..	Grace Line.....	Valparaiso, Chile.	New York, N.Y.	General.....	2,823
Sambu [5].....	20	21	Pan...	Elliot Ship. & Land Co.	Darien, R.P.....	Cristobal, C.Z...	Bananas....	20
Tuira [2].....	20	21	Pan...	Elliot Ship. & Land Co.	Darien, R.P.....	Cristobal, C.Z...	Bananas....	61
Norman Star....	20	21	Brit...	Blue Star Line.....	N. Westm'r, B.C.	Tyne, Eng.....	Frozen, gen.	4,437
Demeterton.....	20	20	Brit...	Dale & Co.....	Vancouver, B.C..	London, Eng....	([19])	8,186
Charles H. Cramp	20	20	Amer..	Argonaut S.S. Co....	Seattle, Wash...	New York, N.Y.	Lumber, gen.	6,629
Pacific Pioneer [2]..	20	21	Brit...	Furness, Withy & Co.	Victoria, B.C....	Glasgow, Scot...	General.....	7,546
Trepca.....	20	21	J-Slav.	Jugoslav Lloyd.....	Ant'fagasta, Chile	Azores [16].....	Nitrates....	8,550
Romsdalshorn....	20	21	Nor...	Chilean Nitrate Sales.	Tocopilla, Chile..	Savannah, Ga...	Nitrates....	10,140
India [2].....	20	21	Den...	East Asiatic Co.....	Vancouver, B.C..	Hull, Eng.....	General.....	11,630
Steelore.....	21	21	Amer..	Ore S.S. Corp.....	Cruz Gr'de, Chile	Baltimore, Md...	Iron ore....	21,700
Arandora Star....	21	21	Brit...	Blue Star Line.....	Honolulu, T.H...	Southamp'n, Eng	Passengers..	.....
La Brea [1].....	20	21	Amer..	Union Oil Co.....	Los Angeles, Cal.	Baltimore, Md...	Gas oil.....	9,896
Bronnoy [2].....	20	21	Nor...	Canadian Transp. Co.	Vancouver, B.C..	Sunderland, Eng.	Wheat, lum'r	8,332
Washington Express. [2]	20	21	Nor...	Fruit Express Line...	Portland, Oreg...	Hamburg, Ger...	Fresh fruit..	2,000
Modavia [2].....	20	21	Brit...	Donaldson Brothers..	Victoria, B.C....	Glasgow, Scot...	Fruit, gen...	5,620
Shikisan Maru [2]..	21	21	Jap...	Mitsui Bussan Kaisha	Iloilo, P.I.....	New York, N.Y.	Sugar, gen..	7,238

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [7] Submarine. [13] Steel, corn, general. [14] Lumber, grain, general. [15] Lumber, wheat, general. [16] For orders. [17] Manganese ore and nitrates. [18] Chrome ore and copra. [19] Wheat, oats, barley.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Ville De Strassbourg.	21	22	Fr....	Messageries Maritime	New Caledonia..	Marseille, France	Copra, gen..	4,234
Aurora [2].....	21	21	Swed..	Zenit S.S. Co.....	Vald'k, U.S.S.R..	Eng. Channel [13]..	Soya beans..	7,780
Golden Kauri....	21	21	Amer..	Swayne & Hoyt.....	S. Francisco, Cal.	Houston, Tex...	Sugar, gen..	6,923
Ensley City.....	21	22	Amer..	Isthmian S.S. Lines..	Kahlui, T.H.....	Cape Hatteras [13].	Sugar.....	8,882
King City.....	21	21	Brit...	Reardon-Smith Line..	Vancouver, B.C..	London, Eng....	General.....	8,117
F. J. Luckenbach.	21	21	Amer..	Luckenbach Line....	Seattle, Wash...	Boston, Mass....	General.....	6,235
Canadian Leader.	21	22	Brit...	Can. Nat. Steamships	Sydney, Aus'lia..	Halifax, N.S.....	Wool, gen...	2,520
Columbian.....	21	21	Amer..	Amer.-Hawaiian Line.	Seattle, Wash...	Boston, Mass....	General.....	6,307
Hoycisan Maru...	21	21	Jap...	Mitsui & Co.....	Manila, P.I.....	Charleston, S.C..	Sugar, gen .	7,152
Seisho Maru.....	21	22	Jap...	Mitsui & Co.....	Iloilo, P.I.....	New York, N.Y.	Gen., sugar..	6,702
Mahana.....	21	22	Brit...	Shaw, Savill & Albion	Auckland, N.Z...	London, Eng....	Frozen, gen	6,463
Villanger [3].....	21	22	Nor...	Interocean S.S. Corp.	Tacoma, Wash..	Rotterdam, Neth.	Grain, gen..	6,845
Nyhorn [2].....	21	22	Nor...	Cascade Line.....	Vancouver, B.C..	London, Eng....	General.....	6,571
Real [2].....	22	23	Pan...	Elliot Ship. & Land Co.	Panama, R.P....	Cristobal, C.Z...	Ballast.....	.....
Olympic [1].....	22	22	Amer..	Olympic S.S. Co.....	Los Angeles, Cal.	New York, N.Y.	Fuel oil.....	7,095
Kwanto Maru [2]..	22	23	Jap...	Osaka Shosen Kaisha.	Moji, Japan.....	New York, N.Y.	Silk, general.	5,192
Steel Trader.....	22	22	Amer..	Isthmian S.S. Lines..	Hilo, T.H.....	Baltimore, Md...	([14])	8,461
Spencer Kellogg [1].	22	23	Amer..	Kellogg S.S. Co.....	Manila, P.I.....	New Orleans, La.	Coconut oil.	6,680
Istmo.....	22	26	Pan...	Elliot Ship. & Land Co.	B'ventura, Col...	Cristobal, C.Z...	Coffee.....	226
Huntingdon.....	22	23	Brit...	Federal Steam Nav. Co.	Pt. Chal'ers, N.Z..	Glasgow, Scot...	General.....	8,683
Absaroka.....	22	24	Amer..	McCormick S.S. Co..	Tacoma, Wash..	Philadelphia, Pa.	Gen., lumber	8,064
Koranton.....	22	23	Brit...	R. Chapman & Son..	Vancouver, B.C..	Avonmouth, Eng.	Grain, gen...	10,191
Dorothy Cahill...	22	23	Amer..	Arrow Line.....	Seattle, Wash...	Baltimore, Md...	Lumber, gen.	6,327
Point Breeze [1, 2]..	22	23	Amer..	Atlantic Refining Co..	Balboa, C.Z.....	Brunswick, Ga...	Ballast.....	.....
Kofuku Maru....	23	24	Jap...	Kokusai K. Kaisha...	Manila, P.I.....	New Orleans, La.	Sugar.....	7,500
Teal.....	...	...	Amer..	U.S. Navy.....	Balboa, C.Z.....	Cristobal, C.Z...	.....	.....
Herman F. Whiton.	24	24	Amer..	Dutton Lumber Corp.	Everett, Wash...	N. Bedford, Mass	Lumber....	7,400
Timber Rush....	24	24	Amer..	Pac.-Cont. Grain Co.	Portland, Oreg...	Wilmington, N.C.	Wheat.....	7,433
Libertador [2].....	24	25	Pan...	Pinel Brothers.....	Darien, R.P.....	Cristobal, C.Z...	Bananas....	30
El Sona [2].....	24	25	Pan...	Pinel Brothers.....	Darien, R.P.....	Cristobal, C.Z...	Bananas....	30
Endurance [2].....	24	24	Pan...	R. Feüillebois.....	Panama, R.P....	Colon, R.P.....	Fruits.....	16
Primero [2].....	24	24	Nor...	Chilean Nitrate Sales.	Iquique, Chile...	Wilmington, N.C.	Nitrates....	7,700
Santa Ana.....	24	25	Amer..	Panama Mail S.S. Co.	S. Francisco, Cal.	New York, N.Y.	Gen., coffee.	5,036
Massmar.....	24	24	Amer..	Calmar S.S. Corp....	Seattle, Wash...	Baltimore, Md...	Lumber, pulp	6,502
Bente Maersk [1, 2].	24	25	Dan...	A. P. Moller.....	Talara, Peru....	Liverpool, Eng..	Diesel oil...	8,097
Charles G. Black [1].	25	25	Amer..	Standard Ship. Co...	Los Angeles, Cal.	New York, N.Y..	Fuel oil.....	20,748
Gulfpenn [1].....	24	25	Amer..	Gulf Refining Co.....	Los Angeles, Cal.	New York, N.Y..	Fuel oil.....	13,503
Trimountain [1].....	25	25	Amer..	Home Fuel Oil Co....	Los Angeles, Cal.	New York, N.Y..	Gas oil.....	9,237
President Herrenschmidt. [1]	25	25	Nor...	Pechelbronn.....	Talara, Peru.....	Port de Bouc, Fr.	Crude oil...	13,380
Brilliant [1, 2].....	25	25	Amer..	Stand. Vac. Transp...	Los Angeles, Cal.	New York, N.Y..	([15])	13,840
Cerigo.....	25	28	Ger...	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z...	General.....	1,036
Ohioan.....	25	25	Amer..	Amer.-Hawaiian Line.	Portland, Oreg...	Boston, Mass....	General.....	6,554
Abraham Lincoln [2]	25	26	Nor...	Fred Olsen & Co.....	Vancouver, B.C..	Oslo, Norway....	General.....	6,928
Oregon Maru....	25	25	Jap...	Kawasaki K. Kaisha..	Manila, P.I.....	Baltimore, Md...	General.....	7,890
Walter A. Luckenbach.	25	25	Amer..	Luckenbach Line....	Seattle, Wash....	Boston, Mass....	Lumber, gen.	5,725
Point Lobos.....	25	26	Amer..	Gulf-Pac. Mail Line..	Seattle, Wash....	Mobile, Ala.....	General.....	4,971
Mevania [1].....	25	26	Amer..	Shell Pet. Co.....	Martinez, Calif..	Fall River, Mass.	Kerosene....	10,000
Mercury Sun [1, 2]..	25	26	Amer..	Sun Oil Co.....	Los Angeles, Cal.	Marcus Hook, Pa	([16])	13,752
Njegos.....	25	26	J-Slav.	Nitrate Corp. of Chile.	Tocopilla, Chile..	Azores [13].....	Nitrate soda.	7,040
Kishacoquillas [1]...	26	26	Amer..	U.S. Tankship Corp..	Hilo, T.H.....	New York, N.Y..	Molasses....	8,004
Orduna.....	26	26	Brit...	Pac. Steam Nav. Co..	Talcahuano, Chile	Liverpool, Eng...	General.....	7,361
George W. McKnight. [1, 2]	26	26	Danz..	Standard Ship. Co...	Talara, Peru.....	Fawley, Eng.....	Crude oil....	17,397
San Francisco [1]...	26	27	Ger...	Hamburg-Amer. Line.	Vancouver, B.C..	Hamburg, Ger...	General.....	6,656
Santa Rosa.....	26	27	Amer..	Grace Line.....	Seattle, Wash....	New York, N.Y..	General.....	4,363
Mamari.....	26	27	Brit...	Shaw, Savill & Albion	Sydney, Aust'lia.	London, Eng....	General.....	5,977
Deerpool.....	26	27	Brit...	Sir R. Ropner & Co...	Tocopilla, Chile..	Azores [13].....	Nitrate soda.	8,550
Everleigh.....	26	27	Brit...	Can. Transport Co...	Vancouver, B.C..	London, Eng....	Lumber, gen.	9,330
Chilore.....	27	27	Amer..	Ore S.S. Corp.....	Cruz Gr'de, Chile	Baltimore, Md...	Iron ore....	22,652
San Gil [1].....	27	27	Pan...	United Fruit Co.....	Guayaquil, Ecuad	Mobile, Ala.....	Bananas....	1,160
J. Sebastian de Elcano.	21	30	Span..	Spanish Government.	Cadiz, Spain.....	Colon [13].....	Ballast.....	.....
Hegira.....	26	27	Amer..	Pac. Coast Dir. Line..	Seattle, Wash....	Portsmouth, N.H	Lumber, gen.	10,000
Berganger.....	27	27	Nor...	Interocean Line.....	Vancouver, B.C..	Rotterdam, Neth.	Grain, gen...	8,620
Katrina Luckenbach.	27	27	Amer..	Luckenbach Gulf S.S. Co.	S. Francisco, Cal.	Mobile, Ala.....	General.....	7,390
Odin.....	27	27	Ger...	Chilean Nitrate Co...	Tocopilla, Chile..	Azores [13].....	Nitrate soda.	8,550
Sambu [1].....	27	28	Pan...	Elliot Ship. & Land Co.	Darien, R.P.....	Cristobal, C.Z...	Bananas....	16
Tai Yin [1].....	26	28	Nor...	Barber-Wilhelm. Line.	Davao, P.I.....	New York, N.Y..	General.....	7,058
Tuira [1].....	27	28	Pan...	Laffargue Bros.....	Darien, R.P.....	Cristobal, C.Z...	Bananas....	49
Dinteldijk [2].....	27	28	Neth..	Holland-Amer. Line..	Victoria, B.C....	Rotterdam, Neth.	General.....	8,493
Levenbridge.....	28	28	Brit...	Inter. Freighting Co..	Iquique, Chile...	Charleston, N.C.	Nitrates....	7,000
Barneveld.....	28	28	Neth..	Royal Neth. S.S. Co..	Talcahuano, Chile	Hamburg, Ger...	General.....	7,488
Pennsylvanian...	28	28	Amer..	Amer.-Hawaiian Line.	Seattle, Wash....	Boston, Mass....	General.....	7,538

[1] Tanker. [2] Motor ship. [13] For orders. [14] Sugar and pineapples. [15] Gasoline and fuel oil. [16] Gasoline and spirits.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
American Oriole	28	28	Amer.	Puget S'd. Ass. Mills	Tacoma, Wash.	Wilmington, Del.	Lumber	7,500
Sidney M. Hauptman	28	28	Amer.	McCormick S.S. Co.	Seattle, Wash.	Albany, N.Y.	([13])	6,298
Kirishima Maru[2]	28	29	Jap.	Kokusai Kisen Kaisha	Manila, P.I.	New York, N.Y.	([14])	7,034
Sveadrott[2]	28	29	Swed.	Stockhom Red. Svea.	Tocopilla, Chile	Stockholm, Swed.	General	7,695
S-20[7]	29	29	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	Ballast	.....
George H. Jones	29	29	Amer.	Mexican Pet. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,570
Ivo Racic	29	29	J-Slav.	Corp. de V. de Salitre	Ant'fagasta, Chile	Azores[15]	Nitrates	6,105
San Rafael	29	29	Amer.	States S.S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,043
Washington[2]	29	31	Fr.	French Line	Vancouver, B.C.	Antwerp, Belg.	General	8,384
Sunnanvik[2]	29	30	Swed.	Maersk Line	Iloilo, P.I.	New York, N.Y.	General	7,396
Willmoto[2]	30	30	Amer.	Williams S.S. Co.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	7,635
Neptunian[2]	30	30	Brit.	Chilean Nitrate Sales	Tocopilla, Chile	Charleston, S.C.	Nitrates	8,850
Archangelos	30	30	Gr.	S. Livanos & Co.	Pto. Chi'ma, Peru	Liverpool, Eng.	Sugar	8,050
Manizales	30	4-2	Ger.	North German Lloyd	Guayaquil, Ecuad	Cristobal, C.Z.	General	998
Ionic	30	31	Brit.	Shaw, Savill & Albion	Wellington, N.Z.	London, Eng.	Frozen, gen.	4,502
Virgilio[2]	30	1	Ital.	Soc. Ital. Flotte Riu'ite	Valparaiso, Chile	Genoa, Italy	General	2,229
Memphis City	30	30	Amer.	Isthmian S.S. Lines	Vancouver, B.C.	Avonmouth, Eng.	General	7,606
Vermar	30	30	Amer.	Calmar S.S. Corp.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,888
John D. Archbold[1]	30	31	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	21,448
Atlantic Maru	30	31	Jap.	Kokusai Kisen Kaisha	Iloilo, P.I.	E.coast, U.S.A.[15]	Sugar	7,500
Halsey[1]	30	31	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Gasoline	9,124
Symrna	30	1	Ger.	North German Lloyd	Pt. Angeles, Wash	Bremen, Ger.	Coffee, gen.	1,414
Lapwing[4]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	Towingbarge	.....
Cathwood[1]	31	31	Amer.	Union Oil Co.	Los Angeles, Cal.	Tiverton, R.I.	Gasoline	8,600
Acajutla	31	...	Brit.	Pac. Steam Nav. Co.	Champerico, Guat	Cristobal, C.Z.	General	590
Valparaiso	31	31	Chil.	M. Hochschild	Valparaiso, Chile	New York, N.Y.	([16])	6,038
Mauna Ala	31	31	Amer.	Matson Nav. Co.	Hilo, T.H.	New Orleans, La.	Sugar	8,097
Sanyo Maru[2]	3-31	1	Jap.	Osaka Shosen Kaisha	Santo Nino, P.I.	Baltimore, Md.	Sugar, gen.	8,261
President Wilson	4-1	2	Amer.	Dollar Line	S. Francisco, Cal.	New York, N.Y.	General	5,430
Santa Catalina[2]	1	3	Amer.	Grace Line	Champ'ico, Guat.	Cristobal, C.Z.	Coffee, gen.	1,061
Borgestad[2]	1	1	Nor.	Canadian Transp. Co.	Portland, Oreg.	Sharpness, Eng.	Wheat, lum'r	6,440
Tacoma Star	1	1	Brit.	Blue Star Line	Victoria, B.C.	Newcastle, Eng.	Frozen, gen.	6,344
Tuscan Star[2]	1	1	Brit.	Blue Star Line	Napier, N.Z.	London, Eng.	Frozen, gen.	5,849
Paul Luckenbach	1	1	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Gen., lumber	7,046
Treworlas	1	1	Brit.	Hains S.S. Co.	Vancouver, B.C.	London, Eng.	Wheat	7,945
Minnesotan	1	1	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	Gen., lumber	6,853
Evanger	1	1	Nor.	Chilean Nitrate Sales	Iquique, Chile	Wilmington, N.C.	Nitrates	6,650
Ruahine	1	1	Brit.	N.Z. Shipping Co.	Wellington, N.Z.	London, Eng.	Frozen, gen.	4,204
Balboa[2]	1	2	Swed.	Johnson Line	Honolulu, T.H.	Stockholm, Swed.	Barley, gen.	7,025
Kris Craft No. 6[5]	...	...	Pan.	E. Pucci	Balboa, C.Z.	Cristobal, C.Z.	Ballast	.....
Beljeanne[2]	1	2	Nor.	Chilean Sales Corp.	Ant'fagasta, Chile	Pensacola, Fla.	Nitrates	9,989
Jonna	1	2	Dan.	Frut. Sud Americana	Valparaiso, Chile	New York, N.Y.	Fruit, gen.	687
Canadian Cruiser	1	2	Brit.	Can. Nat. Steamships	Brisbane, Aus'lia.	Halifax, N.S.	General	2,239
Gregalia	2	2	Brit.	Donaldson Brothers	Victoria, B.C.	Glasgow, Scot.	General	6,750
Franklin K. Lane[1]	2	2	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,538
Reginolite[1 2]	2	2	Brit.	Imperial Oil Co., Ltd.	Talara, Peru	Halifax, N.S.	Crude oil	11,640
Chatton	2	3	Brit.	Anthony Bainbridge	Mazatlan, Mex.	Bilbao, Spain	Beans	5,950
Durazzo	2	8	Ger.	Hamburg-Amer. Line	Callao, Peru	Cristobal, C.Z.	Coffee, gen.	869
Virginia	2	3	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N.Y.	General	4,972
Istmo	2	5	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	503
San Blas	3	3	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,300
Taihei Maru[2]	3	3	Jap.	Mitsui Bussan Kaisha	Iloilo, P.I.	New York, N.Y.	([17])	7,807
Hanover	3	3	Amer.	Lykes Bros.-Ripley	Manila, P.I.	New Orleans, La.	([18])	9,427
Sambu[5]	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	19
Tuira[2]	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	55
Real[2]	3	4	Pan.	A. Valdes	Bayano, R.P.	Cristobal, C.Z.	Bananas	33
Aden Maru	3	3	Jap.	Kokusai Kisen Kaisha	Iloilo, P.I.	E. coast U.S.[15]	Sugar	8,096
Svealand[2]	3	4	Swed.	Ore S.S. Corp.	Cruz Gr'de, Chile	Sparrows Pt., Md	Iron ore	21,652
Tamiahua[2]	3	4	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	16,928
Point Caleta	3	4	Amer.	Gulf-Pacific Line	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	6,415
Pacific Reliance[2]	3	4	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Manchester, Eng.	General	8,529
Peter Maersk[2]	3	4	Dan.	Isbrandtsen Moller	Iloilo, P.I.	New York, N.Y.	Sugar	7,558
Chester Sun[1 2]	3	4	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,197
Vega	4	7	Amer.	U.S. Navy	Bremerton, Wash	Boston, Mass.	Navy gen.	2,875
Zrinski	4	4	J-Slav.	Nitrate Corp. of Chile	Iquique, Chile	Azores[15]	Nitrates	8,450
Kirkpool	4	5	Brit.	Sir R. Ropner Co.	Vancouver, B.C.	Leith, Scot.	Grain, gen.	7,934
Daylight[1 2]	4	4	Amer.	Stand. Vacuum Tr'sp.	Los Angeles, Cal.	New York, N.Y.	Petroleum	13,970
Allan Jackson[2]	4	5	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Portland, Me.	Fuel oil	10,138
Rangitiki[2]	3	4	Brit.	N.Z. Shipping Co.	Wellington, N.Z.	London, Eng.	Wool, gen.	6,247
Californian[2]	4	4	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	9,789
Charles Nelson	4	4	Amer.	Nelson S.S. Co.	S. Francisco, Cal.	New York, N.Y.	Lumber, gen.	6,652
Silvercedar[2]	4	5	Brit.	Silver Line	Shanghai, China	New Orleans, La.	([19])	7,584
Golden Eagle	5	5	Amer.	Matson Nav. Co.	Honolulu, T.H.	New York, N.Y.	Sugar	7,180
Circe Shell[1 2]	5	5	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, D.W.I.	Gas oil	12,214
Sheaf Holme[2]	5	6	Brit.	Chilean Nitrate Corp.	Tocopilla, Chile	Wilmington, N.C.	Nitrates	8,625
Mathew Luckenbach	6	6	Amer.	Luckenbach-Gulf S.S. Co.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	6,295

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [7] Submarine. [13] Cement, lumber, general. [14] Raw silk and general. [15] For orders. [16] Ores, fruit, wines. [17] Raw silk and general. [18] Sugar and pineapples. [19] Wood oil and sugar.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Libertador [2]	6	7	Pan...	Pinel Co	Panama, R.P.	Cristobal, C.Z.	Bananas	33
El Sona [2]	6	7	Pan...	Pinel Co	Panama, R.P.	Cristobal, C.Z.	Bananas	38
Hadleigh	6	7	Brit...	Canadian Transp. Co.	Vancouver B.C.	London, Eng.	General	9,369
Lebore	7	7	Amer..	Ore S.S. Corp	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,652
Constitution [2 3]	2	8	Amer..	U.S. Navy	San Diego, Cal.	St. Petersb'g, Fla.	.....	.....
Grebe No. 43 [4]	2	8	Amer..	U.S. Navy	San Siego, Cal.	St. Petersb'g, Fla.	.....	.....
Southern Sun [1 2]	6	7	Amer..	Sun Oil Co	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,570
Loreto [2]	7	7	Brit...	Pacific Steam Nav. Co	Corral, Chile	Hull, Eng.	General	7,877
Erviken	7	7	Nor...	Chilean Nitrate Corp.	Iquique, Chile	Savannah, Ga.	Nitrates	10,100
Wiegand	7	8	Ger...	North German Lloyd.	Tocopilla, Chile	Azores [14]	Nitrates	8,200
Santa Elisa	7	8	Amer..	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	4,267
Este	7	8	Gen...	North German Lloyd.	Vancouver, B.C.	Bremen, Ger.	General	8,380
Avala	7	7	J-Slav.	Baburizza & Co	Iquique, Chile	Azores [14]	Nitrates	10,340
Faxen	7	8	Swed..	Chilean Nitrate Corp.	Taltal, Chile	Charleston, S.C.	Nitrates	6,200
Foylebank [2]	7	8	Brit...	Andrew Weir & Co.	Iloilo, P.I.	New York, N.Y.	Sugar	8,900
Standard [1]	7	8	Amer..	Standard Ship. Co	Los Angeles, Cal.	New York, N.Y.	Fuel oil	17,524
Harpoon	7	8	Amer..	Shepard S.S. Co	S. Francisco, Cal.	Philadelphia, Pa.	Lumber, gen.	9,094
Heimvard [2]	8	8	Nor...	Fern Line	Manila, P.I.	New Orleans, La.	Sugar	8,300
Kentuckian	8	8	Amer..	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,862
San Clemente	8	8	Amer..	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,399
Akagisan Maru [2]	8	8	Jap...	Mitsui & Co	Iloilo, P.I.	New York, N.Y.	Sugar, gen.	5,464
Paris City	8	8	Brit...	Reardon-Smith Line	Vlad'k, U.S.S.R.	Cobb, I.F.S.	Soya beans	7,872
Bradglen	8	9	Brit...	Berth Service	Hinigaran, P.I.	East coast U.S. [14]	Sugar	8,000
Hororata	8	9	Brit...	N.Z. Shipping Co	Lyttleton, N.Z.	London, Eng.	Frozen, gen.	5,502
Silverwillow [2]	8	9	Brit...	Silver Java Pac. Line.	Calcutta, India	New Orleans, La.	Lumber, gen.	7,196
Anglo-Saxon	8	9	Brit...	Anglo-Can. Ship. Co.	Pt. Alberni, B.C.	London, Eng.	Lum'r, wheat	9,356
West Camargo	9	9	Amer..	McCormick S.S. Co	Vancouver, B.C.	Buenos Aires, Arg.	Lumber, gen.	6,076
Helen Whittier	9	9	Amer..	Arrow Line	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,300
Cali	9	15	Ger...	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	863
Santa Elena	9	10	Amer..	Grace Line	Seattle, Wash.	New York, N.Y.	Coffee, gen.	4,315
Nitro	9	11	Amer..	U.S. Navy	Puget S'd, Wash.	Norfolk, Va.	Navy stores.	1,435
Pan Norway [1 2]	9	10	Nor...	Standard Oil Co	Talara, Peru	Rotterdam, Neth.	Naphtha	12,990
Damsterdijk [2]	9	10	Neth..	Holland-Amer. Line	Vancouver, B.C.	Rotterdam, Neth.	General	9,455
Santa Olivia	9	10	Amer..	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	2,623
Oregon Express [2]	9	10	Nor...	Sigard Herlofson	Seattle, Wash.	Hamburg, Ger.	Fresh fruit	1,774
San Mateo	10	10	Amer..	United Fruit Co	Guayaquil, Ecuad	Mobile, Ala.	Bananas	1,109
Real [2]	10	11	Pan...	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	39
Sambu [5]	10	11	Pan...	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	12
Cressington Court. [2]	9	10	Brit...	Canadian Transp. Co.	Vancouver, B.C.	London, Eng.	Grain, lum'r.	8,650
Slemmestad [2]	9	10	Nor...	Fern Line	Manila, P.I.	New York, N.Y.	Sugar	7,500
Robin Hood	9	10	Amer..	Luckenbach Line	Seattle, Wash.	New Orleans, La.	General	7,597
Hurry On [2]	9	11	Brit...	Unus Shipping Co	Victoria, B.C.	Halifax, N.S.	Lumber, gen.	800
Feltre [2]	10	11	Ital...	Nav. Libera Triestina.	Vancouver, B.C.	Trieste, Italy	General	8,184
Robert Luckenbach.	10	10	Amer..	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,252
Atlanta City	10	11	Amer..	Isthmian S.S. Lines	Honolulu, T.H.	Baltimore, Md.	Sugar, gen.	8,501
Noreg [1 2]	10	11	Nor...	H. M. Wrangell & Co	Talara, Peru	Havre, France	Crude oil	11,667
W. S. Rheem [1]	10	11	Amer..	Standard Ship. Co	Los Angeles, Cal.	Providence, R.I.	Fuel oil	14,850
Hawaiian	11	11	Amer..	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	5,909
Asuka Maru [2]	11	11	Jap...	Nippon Yusen Kaisha	Iloilo, P.I.	New York, N.Y.	General	9,408
Belpareil [2]	11	11	Nor...	Anglo-Can. Ship. Co.	Vancouver, B.C.	London, Eng.	Wheat, lum'r	9,800
Norfolk Maru	11	11	Jap...	Kawasaki K. Kaisha	Iloilo, P.I.	New York, N.Y.	Silk, gen.	8,285
Vogtland [2]	11	11	Ger...	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger.	Nitrates, gen.	8,572
William A. McKenney.	11	11	Amer..	McCormick S.S. Co	Pt. Town'd, Wash.	Philadelphia, Pa.	Lumber, gen.	6,893
Flomar	11	11	Amer..	Calmar S.S. Corp	Seattle, Wash.	Baltimore, Md.	([15])	6,651
Santa Maria [2]	11	13	Amer..	Union Oil Co	Los Angeles, Cal.	Cristobal, C.Z.	Diesel oil	12,000
F.H.Bedford, jr. [1 2]	11	11	Danz..	Agwi Petroleum Corp.	Talara, Peru	Valloa, Nor.	Crude oil	16,956
Earlspark	11	12	Brit...	Jas. J. Denholm	Iloilo, P.I.	Galveston, Tex.	Sugar	7,150
Buenos Aires [2]	11	12	Swed..	Johnson Line	Vancouver, B.C.	Stockholm, Swed.	General	7,282
Tekoa	12	12	Brit...	N.Z. Shipping Co	Auckland, N.Z.	Liverpool, Eng.	Frozen, gen.	4,936
Witram	12	13	Ger...	North German Lloyd.	Vancouver, B.C.	Bremen, Ger.	General	7,591
Appledore	12	12	Brit...	Anglo-Canadian Line.	N. Westm'r, B.C.	Liverpool, Eng.	([15])	9,275
Ruben James No. 245. [9]	12	...	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Iris	12	15	Neth..	Royal Neth. S.S. Co.	Guayaquil, Ecuad	Curacao, D.W.I.	General	842
Silverelm [2]	12	13	Brit...	S. & J. Thompson, Ltd.	Manila, P.I.	East coast U.S. [14]	Sugar	7,572
Nyanza	13	13	Brit...	Nitrate Sales Corp	Taltal, Chile	Charleston, S.C.	Nitrates	8,000
Georgian	13	13	Amer..	Williams S.S. Line	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	7,650
Istmo	13	14	Pan...	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	264
City of Dalhart [2]	13	13	Amer..	Roosevelt S.S. Co	Pt. Adelaide, Aus	New York, N.Y.	General	6,390
Salvador	13	...	Brit...	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z.	Coffee, gen.	1,007
Chr. Knudsen [2]	13	14	Nor...	Fern Line	Iloilo, P.I.	Galveston, Tex.	Sugar	8,000
J. Fred Talbott, No. 156. [9]	13	14	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
K. R. Kingsbury [1]	13	14	Amer..	Standard Ship. Co	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,865
General Wm. M. Graham. [11]	...	...	Amer..	U.S. Army	Balboa, C.Z.	Cristobal, C.Z.	.....	.....

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [9] Destroyer. [11] Mine planter. [13] Frigate. [14] For orders. [15] Lumber, wheat, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Cerigo	14	...	Ger...	Hamburg-Amer.	Guayaquil, Ecuad	Cristobal, C.Z.	General	1,079
Hokkai Maru [2]	14	15	Jap...	Osaka Shosen Kaisha.	Manila, P.I.	Baltimore, Md.	General	7,648
Guardian	14	16	Amer..	All America Cables	B'ventura, Col.	Miami, Fla.	Cable	120
Victolite [1] [2]	14	15	Brit...	Imperial Oil Co.	Lobitos, Peru	Montreal, Can.	Crude oil	16,452
Iowan	15	15	Amer..	Amer.-Hawaiian Line.	Portland, Oerg.	Boston, Mass.	General	6,643
Laura	15	15	Dan...	J. Lauritzen	Seattle, Wash.	Hook of Holland.	Fruit	1,100
Steel Ranger	15	15	Amer..	Isthmian S.S. Lines	N. Westm'r, B.C.	London, Eng.	Grain, gen.	7,766
President Cleveland.	15	16	Amer..	Dollar Line	Manila, P.I.	New York, N.Y.	General	6,032
Amerikaland [2]	15	16	Swed..	Ore S.S. Corp.	Cruz Gr'de, Chile	New York, N.Y.	Iron ore	22,200

[1] Tanker. [2] Motor ship.

Notices to Mariners

Panama Canal notice to mariners No. 282, dated March 23, 1934, stated that the U.S.S. *Hannibal* reported that a preliminary investigation of Montijo Bay and western approaches, Pacific coast of Panama, indicated that H.O. chart No. 1018 is not to be relied on for navigation purposes *in that vicinity*. Eastern approaches not yet investigated.

Notice to mariners No. 285, dated March 27, 1934, advised that bank lights at stations 1535–W and 1545–W, Panama Canal, were temporarily discontinued, due to dredging operations, on March 20, 1934; and bank light at station 1565–W, Gaillard Cut, was temporarily discontinued, due to dredging operations, on March 24, 1934.

Notice to mariners No. 286 advises of a shoal off Naranjas Island, Panama, in the Pacific Ocean, about 7° 20′ N. by 80° 57′ W. This notice quotes advice received from the U.S.S. *Hannibal* as follows: "Shoal found, bearing 300° true from surveying signal on top of center of Naranjas Island, distance 1¼ miles. Least depth of water over shoal, 9 feet."

Overtime—Customs and Quarantine Service

Beginning April 1, 1934, a 10 percent deduction was made effective on bills against vessels for customs and quarantine service at Canal terminal ports outside of regular hours, instead of 15 percent as directed in paragraph 3 of the circular dated April 25, 1933.

Effective July 1, 1934, 5 percent will be deducted from such bills instead of 10 percent as indicated in the first paragraph hereof.

Applications for Positions as Pilot in the Panama Canal Service

During the depression in shipping The Panama Canal has employed no new personnel for pilots. The result is that the applications for employment now on file are largely out of date, and although there is no immediate indication of need of additional pilots, the Canal would be pleased to receive applications from qualified American citizens. Applications should be addressed to The Panama Canal, Washington, D.C.

The basic qualifications are: United States citizenship; high school education or two years of high school plus a course in a state nautical training school; master's license for unlimited tonnage on seagoing vessels, or both master's and pilot's unlimited license on inland or Great Lakes steamers; 10 years seagoing experience, 7 years of which as an officer, and one of the 7 years as master; good health, and age not over 35 years. Preference will be given to ex-service men of the Navy and Coast Guard and men employed on floating equipment of The Panama Canal, and age limit will be extended in such cases not to exceed 5 years.

Record Travel on Thatcher Ferry

During the month of March 1934, the Thatcher Ferry transported across the Canal 20,455 motor cars of all descriptions and 111,450 passengers. This is the largest number of cars and passengers transported across the Canal in one month in the history of ferry service. The heaviest single day's travel on the ferry, however, is not included within the month of March 1934, but is February 22, 1934, when 1,371 motor cars and 8,713 passengers were handled.

Reconstruction of Cristobal Shops, Atlantic Terminal

The rebuilding of the drydock at Cristobal (reopened December 13, 1933) as described in THE PANAMA CANAL RECORD of August 15, 1933, was one feature of a program of reconstructing and modernizing the repair shops and drydock at the Atlantic terminal of the Panama Canal which was begun in 1927 and has now advanced to about 95 percent of completion. Of all of the proposed new buildings, only the foundry remains to be constructed. The Mechanical Division has now at Cristobal both a modern drydock and a modern repair plant in full working order which facilities are offered and are available always to commercial shipping and naval vessels as well as to the Canal itself.

The new buildings are of steel and concrete of modern design, equipped with traveling cranes and abundantly supplied with railroad and locomotive crane trackage and other weight-handling facilities. They replaced the former wooden buildings built by the French Canal Company when the drydock was first built in 1886. While nominally French buildings, they had been repaired so often and so extensively that little of the original material remained. At the same time that new fireproof shops were provided, the Supply Department built new fireproof storehouses for engineering materials adjacent to the shops. The reconstruction of the shops began in March 1928 and has continued since without interruption, the buildings being replaced one at a time and the shops being kept in operation without interference in any department except the drydock.

The ground plan of the new plant is radically different from the old. The arrangement of the buildings has been patterned after that of the Balboa Shops. The boiler shop, pipe, sheet metal and forge shop, and machine shop are placed at right angles to the drydock and have crane runway extensions out of the ends of the buildings, from which heavy material can be placed on railroad cars or can be reached by the drydock crane and placed on board ships in the drydock. The compressor and pump building was placed near the head of the drydock in order to make the underground culverts for unwatering the dock as short as possible. The main electrical switchboards are also located in this building, from which current is distributed to all of the other buildings and to outlets along the dock walls. The elevations of the old buildings followed more or less the natural contour of the land and were from 4.5 feet to 6.5 feet above mean sea level while the floors of all the new buildings were raised to 7.5 feet. This provided much better surface drainage in and around the buildings.

The main offices and paint and rigger shops were moved to the opposite side of the drydock from the other buildings. The paint and rigger shops are now in a concrete building formerly occupied by one of the sections of the storehouse and the offices in a building formerly used by the Navy. From the office building a clear view can be had of activities not only in the drydock but over the entire shop area.

It has been necessary in the entire building program to plan the location of the buildings, the order in which they were to be erected and the actual erection so that there would be the least possible interference with the regular work carried on by the shops. A number of new machines were purchased to replace obsolete and worn-out ones that had been in service 20 to 25 years. In these cases the new ones were installed and put into operation before the ones being replaced were removed. All of the machines in the new buildings are individually motor-driven in order to allow them to be operated separately as required. The new machines were purchased with motors while the machines that were in good condition, but in group drives, were provided with motors and controllers purchased to suit their individual requirements.

The first building constructed was the boiler shop, which is 316 feet 3 inches long by 48 feet 7 inches wide. A length of 63 feet 3 inches at one end is used by the General Storekeeper for storing steel plate and other material and the balance is used for manufacturing structural steel work. This section contains the bending rolls, punches, shears, electric and gas-welding equipment, furnaces, etc., and is served by a 5-ton electric overhead crane traveling the full length of the building. The second built was the toilet building, for both gold and silver employees, which is 114 feet ½ inch long by 22 feet 10 inches wide.

The next building was the pipe, sheet metal, and forge shop, which is 231 feet 11 inches long by 48 feet 7 inches wide. Sixty-three feet 3 inches of one end is occupied by the forge shop which contains the forges, furnaces, hammers, etc. The remainder contains the benches and machinery necessary to handle the pipe, sheet-metal and copper work. This building has been provided with a runway for the future installation of an electric overhead traveling crane.

The machine shop followed this building and is 231 feet 11 inches long by 119 feet 4 inches wide. It consists of two adjoining rows of transverse bents, the center row of columns dividing the building in two sections, one of which contains the machines and lay-out tables and the other the tool room and erecting floor. A 20-ton electric

overhead traveling crane serves the machine section while one of 40-ton capacity serves the other.

The wood shop, just completed, is 168 feet 8 inches long by 60 feet 8 inches wide and is lower in height since an overhead traveling crane is not required. The distance from floor to under side of roof trusses is 21 feet, while the corresponding distance in the three other main buildings is 36 feet.

The air compressors and drydock pumping equipment will be in one building 126 feet 6 inches long by 48 feet 7 inches wide. The section, 84 feet 4 inches long, for the compressors was built in 1930, while the remaining part for the pumps is now in the final stages of completion. A hand-operated 10-ton overhead traveling crane serves both sections of the building.

A modern concrete building within the area formerly used as a storehouse has been altered and fitted up as a combined paint shop, rigging loft, sail loft, mould loft, and workshop for marine electricians. This building is 96 feet by 242 feet in ground area.

The plans for the foundry have been completed but the construction of the building will probably not be started for a year or two. It is planned to be 84 feet 4 inches long by 48 feet 7 inches wide and 21 feet to underside of main roof trusses. The old foundry will serve meanwhile. The new foundry would complete the rebuilding program.

All tools have individual electric drive. Among the modern tools installed in these shops are boring mills up to a 9-foot table, planers up to 5 feet by 5 feet by 26 feet, slotters up to 30 inches, lathes up to 48 inches, full size milling machines, grinders, drilling machines and other machine shop tools, 18-foot plate bending rolls and a similar sized heavy flanging clamp, horizontal and vertical punches and shears to handle the heaviest ship or boiler plate, plate and angle furnaces, steam hammers up to 2,500 pounds, pipe threading machines up to 12 inches, a complete sawmill and complete woodworking machinery for ship timbers as well as for joiner and cabinet work. Facilities exist for both electric and acetylene welding and cutting, small iron or brass castings can be produced without recourse to Balboa, and there is a complete equipment of pneumatic tools in all varieties together with compressors to supply 3,750 cubic feet of compressed air per minute.

The equipment of these shops permits all ordinary repairs to ordinary vessels and any kind of repairs to small vessels. Machining or fabrication of material beyond the capacity of the Cristobal Shops can be performed at the Balboa Shops of the same operating division and shipped to Cristobal for installation. Ships too large or work too heavy for the Cristobal Shops can be accommodated at the Balboa Shops where there is a drydock of 1,000-feet available length and shops with equipment to accord. There is practically no limit to work that can be undertaken at Balboa either as regards size of parts, character, or extent.

Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices, including the 25 percent surcharge, to individuals and companies, as of April 15, 1934:

Commodities	Unit	Price
Brass, bar, average	Lb.	$0.14
Brass, sheet, average	Lb.	.25
Bronze, Tobin, average	Lb.	.20
Gasoline, motor grade	Gal.	.11
Metal, yellow	Lb.	.19
Oakum, Navy, spun	Lb.	.18
Oakum, Navy, unspun	Lb.	.16
Oil, gun and ice machine	Gal.	.25
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, light, in drums, No. 2135	Gal.	.34
Oil, engine, gas, extra heavy, in cases, No. 2250	Gal.	.29
Oil, engine, gas, extra heavy, in drums, No. 2250	Gal.	.25
Oil, kerosene, in drums	Gal.	.08
Oil, marine engine	Gal.	.31
Paint, lead, white, dry	Lb.	.11
Paint, lead, white, in oil	Lb.	.09
Paint, zinc oxide, dry	Lb.	.08
Paint, zinc oxide, in oil	Lb.	.10
Grease, gear, chain and wire rope, lubricating	Lb.	.04
Grease, yellow, cup, No. 3, medium	Lb.	.06
Grease, yellow, cup, No. 5, hard	Lb.	.06
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.06
Waste, cotton, white	Lb.	.08

Lubricating Oils

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES.

OILS, FORCE FEED AND MOTOR CYLINDER.

Medium, No. 2135.—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.

Heavy, No. 2190.—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.

Extra heavy, No. 2250.—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.

Ultra heavy, No. 2310.—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.

Tractor, heavy, No. 3100.—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motorcycles, and Diesel engines S.A.E.-50.

Diesel engine lubricating.—For Diesel engines.

OILS, MISCELLANEOUS.

Ammonia cylinder (gun and ice machine grade No. 125).—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.

Car and locomotive.—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.

Castor.—Grade "A." Used for lubricating purposes of the highest grade.

Cutrite, soluble cutting.—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.

Fish.—Used as a rust preventive and for tempering.

Lard.—For use on pipe cutting and threading machines.

Insulating.—Switch (Electrical Division).

Insulating.—Transformer (Electrical Division).

Lubricant (gear, chain and wire rope).—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steam shovels, etc.

Machine, odorless.—For use on typewriters.

Marine engine, No. 4065, compounded.—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.

Mineral steam cylinder, No. 5150.—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).

Mineral steam cylinder, superheated.—For use on reciprocating steam engines using superheated steam.

Neatsfoot.—For softening and preserving leather.

Solvent.—Rust-preventing lubricant, for general use.

Sperm.—Used principally by U.S. Navy.

Coal

Coal, bunker, Navy Standard Pool No. 1, Pocahontas or New River, is supplied to steamships, including warships of all nations, trimmed in bunkers at $6.75 for run-of-mine and $6.25 for nut and slack at Cristobal, in any proportion desired, and $9.75 at Balboa for run-of-mine only, per ton of 2,240 pounds.

Extra charges are made in accordance with a published tariff for special trimming at the request of the officers of the ship, for galley, lump or run-of-mine coal in sacks, and for delivery, when coal is furnished from lighters or launches away from the coaling piers.

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming.

Coal for cargo is sold under the same conditions and at prices quoted for sale of coal for bunkers.

Publication of Notices and Circulars of Interest to Shipping

All of the Panama Canal notices to mariners, notices to steamship lines and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

Hours of Departure of Passenger Trains

Following are the hours of departure of the regular passenger trains of the Panama Railroad running between the Atlantic and the Pacific sides:

From Colon: Daily except Sundays and holidays, 9.25 a. m., 12.30 p. m., 4.40 p. m.; Sundays and holidays, 9.25 a. m., 4.00 p. m.

From Panama: Daily except Sundays and holidays, 7.05 a.m., 12.35 p. m., 4.45 p. m.; Sundays and holidays, 7.05 a. m., 6.05 p. m.

The time required for passage from one terminal to the other is 1 hour and 35 minutes.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

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Traffic Through the Panama Canal in April 1934

The total vessels of all kinds transiting the Canal during the month of April in the two preceding years and in 1934 are shown in the following tabulation:

	April 1932	April 1933	April 1934		
			Atlantic to Pacific	Pacific to Atlantic	Total
Commercial ocean vessels	370	370	253	242	495
Launches (under 20 tons net)	7	9	9	3	12
Noncommercial vessels, U.S. Government	27	65	18	124	142
Total	404	444	280	369	649

The total number of vessels of all kinds making transit of the Canal in April 1934, 649, was the third highest of any month since the opening of the Canal, being exceeded only by January 1929, with 735, and March 1929, with 651. The high figures in these months were due to the transit of units of the United States Fleet.

COMMERCIAL TRAFFIC [1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried and tolls collected, from the commercial traffic transiting the Canal each month for the 12-month period ended April 30, 1934, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1932-33	1933-34	1932-33	1933-34	1932-33	1933-34	1932-33	1933-34
May	357	372	1,956,958	1,883,249	1,676,790	1,629,982	$1,717,401.26	$1,617,943.65
June	336	364	1,743,150	1,901,117	1,404,558	1,691,247	1,534,793.19	1,629,411.28
July	326	401	1,676,492	2,051,128	1,259,981	1,699,039	1,468,728.36	1,732,164.93
August	314	416	1,658,112	2,159,995	1,349,453	1,914,014	1,440,848.87	1,829,754.49
September	353	408	1,868,391	2,096,538	1,347,144	1,797,497	1,598,265.98	1,758,587.41
October	394	467	1,988,133	2,416,200	1,582,261	2,125,927	1,714,779.06	2,036,909.16
November	388	463	2,035,796	2,395,359	1,531,509	1,949,913	1,756,865.84	2,001,692.77
December	431	496	2,080,069	2,617,656	1,621,581	2,191,683	1,781,940.03	2,204,134.64
January	415	500	2,069,218	2,582,131	1,463,503	2,087,292	1,762,808.56	2,160,679.83
February	368	468	1,832,658	2,462,760	1,434,862	2,124,440	1,575,708.35	2,079,696.80
March	399	538	1,989,044	2,703,372	1,738,227	2,465,387	1,718,908.41	2,281,485.72
April	370	495	1,839,597	2,493,606	1,527,978	2,291,392	1,554,250.14	2,121,678.33
Total	4,451	5,388	22,737,618	27,763,111	17,937,847	23,967,813	19,625,298.05	23,454,139.01

[1] Commercial traffic includes all ocean-going vessels paying tolls. Naval and other vessels owned and operated in the government service of the United States and Panama, war vessels of Colombia, and vessels transiting solely for repairs, are exempt from the payment of tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Traffic by Nationality of Vessels for April 1934

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	[1] 118	659,210	577,701	Norwegian	42	207,050	205,053
Danish	9	27,615	10,984	Panamanian	33	19,834	14,004
Danzig	4	31,626	33,381	Russian	1	1,327	.....
French	9	51,152	48,534	Swedish	9	41,985	72,143
German	[2] 27	92,415	83,804	United States	204	1,158,203	1,037,803
Honduran	2	96	50	Yugoslav	3	14,589	26,890
Italian	6	43,844	23,109				
Japanese	22	116,853	135,902	Total	495	2,493,606	2,291,392
Netherland	6	27,807	22,034				

[1] Includes 3 naval vessels of 12,020 tons displacement. [2] Includes naval vessel of 6,490 tons displacement.

Traffic by Trade Routes, April 1934

The movement of vessels over trade routes is summarized in the following table. They are classified according to primary origin and ultimate destination of the voyage through the Canal and the cargo listed is the total aboard at time of transit. Cargo may be laden or discharged between the terminal areas indicated, hence in the cargo listed below there may be some which had other origin or destination:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	83	489,354	175,352	67	410,714	583,173
East coast United States and:						
Canada	1	4,069	.....	1	5,019	7,266
Central America	1	1,990	.....	2	4,291	2,141
South America	20	87,477	15,833	26	102,831	244,103
Hawaiian Islands	2	10,794	8,458	3	15,359	24,449
Australasia	3	16,227	13,009	1	5,268	6,390
Philippine Islands	4	25,903	15,547	27	146,133	212,323
Far East	17	93,253	98,681	.....	.....	.....
Europe and:						
United States	7	40,384	.....	8	29,937	45,228
Canada	28	163,457	58,498	33	185,140	257,739
Central America	2	5,037	1,993	2	5,042	7,298
South America	18	105,330	24,499	17	95,855	175,495
Australasia	9	67,724	21,208	12	107,332	72,782
Far East	1	4,944	8,548	2	9,423	16,772
Canadian intercoastal	2	7,416	8,424	2	5,668	8,097
East coast Canada and:						
South America	1	4,680	2,571	3	20,885	44,771
Australasia	2	8,325	6,169	1	5,518	2,239
Central American intercoastal	2	5,192	6,123	1	48	50
South American intercoastal	2	5,714	12,202	.....	.....	.....
East coast South America and:						
Canada	3	14,050	7,503	2	10,035	9,610
Far East	1	7,606	4,490	.....	.....	.....
Cristobal and:						
United States	2	8,328	106	2	8,331	13,145
Central America	6	4,145	1,453	4	4,075	2,828
South America	6	4,688	2,836	8	5,860	6,028
Balboa	8	234	.....	10	300	406
West Indies and:						
United States	3	15,285	3,360	2	9,887	20,623
South America	2	8,689	124	1	620	842
Far East	1	4,672	6,891	.....	.....	.....
Africa and:						
South America	2	15,890	.....	.....	.....	.....
Egypt and:						
South America	.....	.....	.....	1	4,797	10,380
Around the world	2	17,694	6,140	1	6,524	7,196
Foreign vessels in ballast (U.S. intercoastal)	8	38,509	.....	.....	.....	.....
Vessels not engaged in commerce	[1] 4	1,382	.....	[2] 3	272	.....
Total	253	1,288,442	510,018	242	1,205,164	1,781,374

[1] Two war vessels, one icebreaker, one tug. [2] Two war vessels, one yacht.

Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing though the Canal in April 1934, and its destination by major geographical trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	198,556	11,241	105,834	11,491	12,492	339,614
Other North America	5,720	16,512	6,983	13,060	6,202	48,477
Europe	30,847	15,882	8,548	21,651	20,921	97,849
Miscellaneous	7,940	570	3,109	12,205	254	24,078
Total	243,063	44,205	124,474	58,407	39,869	510,018

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	580,890	43,990	128,661	5,391	758,932
Canada	1,983	14,771	166,407	3,263	186,424
Other North America	29,753	5,116	11,004	.....	45,873
South America	239,562	55,999	174,402	10,380	480,343
Australasia	8,260	960	72,191	.....	81,411
Asia	208,307	3,312	16,772	.....	228,391
Total	1,068,755	124,148	569,437	19,034	1,781,374

Principal Commodities

Commodities which aggregated 10,000 or more tons either during April 1933 or April 1934 are listed below:

Commodity	April		Commodity	April	
	1933	1934		1933	1934
Atlantic to Pacific	*Long tons*	*Long tons*	*Pacific to Atlantic*—Continued	*Long tons*	*Long tons*
Automobiles and parts	8,003	21,024	Cold storage (food products) [1]	10,125	45,128
Cotton, raw	13,186	14,791	Flour	19,152	28,782
Manufactures of iron and steel	46,313	96,739	Fruit, dried	17,500	16,235
Oils, mineral	45,049	45,385	Fruit, fresh	18,764	32,749
Paper	19,953	26,832	Lumber	122,622	170,914
Phosphates	9,916	15,483	Metals, principally copper	30,678	34,696
Railroad material	2,002	12,005	Nitrates	11,469	160,044
Scrap metal	39,488	32,691	Oils, mineral	258,165	506,473
Sulphur	16,724	14,051	Oils, vegetable	13,154	11,433
Textiles	7,745	11,825	Ores, principally iron	3,014	141,519
Tinplate	5,655	30,420	Paper	10,927	8,611
			Soy beans	8,250	16,772
Pacific to Atlantic			Sugar	175,124	219,574
Barley	16,565	16,888	Wheat	221,812	129,419
Beans, edible	10,563	17,610	Wood pulp	9,501	12,426
Canned goods, various	58,210	59,973	Wool	11,080	18,576
Coffee	17,401	15,074			

[1] Does not include fresh fruit.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of April 1934, as reported in the cargo declarations, showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise, but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Agricultural implements	1,124	5	2,154	5
Alfalfa meal	.....	1,056	.....	1,081
Ammonium compounds	86	.....	8,197	2,094
Animal foods [1]	42	1,258	44	1,380
Apparel, wearing (hats, shoes, clothing, etc.)	106	14	106	21
Asbestos	474	.....	643	.....
Asphalt and tar	78	14	243	1,306
Automobiles (and autotrucks)	4,905	88	13,300	97
Automobile parts and accessories	1,534	76	7,724	77
Bags and bagging, textile	501	.....	1,116	330
Bananas	.....	.....	45	5,150
Barks, miscellaneous	.....	40	.....	333
Barley	.....	1,490	20	16,888
Beans, edible	.....	3,913	30	17,610
Beer	516	.....	555	.....
Beverages, nonalcoholic	369	.....	369	.....

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Blood and tankage	.....	98	.....	730
Bone and bone meal	.....	.....	1,785	.....
Books and printed matter	87	.....	107	1
Borax	.....	631	45	6,401
Bran and pollards	.....	1,259	.....	3,224
Bricks and tile	371	.....	602	38
Camphor, crude	.....	23	.....	53
Canned and preserved goods:				
Fish	565	6,953	992	9,742
Fruit	478	23,984	679	35,205
Meat	12	8	1,039	177
Milk	257	175	441	1,109
Soup	960	10	994	52
Vegetables	533	5,748	552	6,009
Miscellaneous and unclassified	2,445	7,127	2,776	7,679
Carbon black	243	.....	320	.....
Celite	.....	486	.....	512
Cement	185	190	6,894	190
Chalk	.....	.....	698	.....
Charcoal	72	.....	98	10
Chemicals [1]	5,638	2,235	8,662	2,630
Clay, china and fire	108	.....	739	15
Clay, filtering	.....	35	.....	440
Coal	2,367	.....	2,564	.....
Cocoa and cacao beans	185	.....	580	2,880
Coconuts and products [1]	232	651	432	1,363
Coffee	533	178	6,293	15,074
Coke	.....	.....	5,030	4
Cold storage and refrigerated products:				
Dairy products	70	45	421	21,350
Eggs	12	202	12	322
Fish	.....	11	9	927
Lard	.....	.....	91	.....
Meats	.....	.....	114	22,146
Poultry	.....	.....	.....	1
Vegetables	.....	20	3	91
Other and unclassified	30	.....	30	291
Confectionery	1,041	15	1,131	15
Copra meal and cake	.....	.....	.....	2,450
Corn	1,785	.....	1,812	500
Cotton, raw	699	649	14,791	2,958
Creosote	.....	.....	59	.....
Drugs and medicines	1,043	37	1,047	37
Dyes	.....	.....	314	.....
Earthenware	57	64	264	64
Electrical apparatus and appliances	470	74	639	174
Explosives	376	147	947	334
Extract, quebracho	.....	.....	558	.....
Fertilizers [1]	.....	45	1,004	138
Fish, salted or dry-cured	.....	.....	.....	16
Fish meal	.....	.....	.....	5,163
Floor coverings	572	651	575	975
Flour	628	23,345	1,552	28,782
Fruit, dried	.....	8,991	147	16,235
Fruit, fresh [1]	.....	1,789	.....	32,749
Furniture and household goods	402	483	445	483
Gallnuts	.....	.....	.....	72
General	16,130	7,169	37,770	16,599
Glass and glassware	3,041	133	4,960	753
Glue	119	239	189	239
Groceries	996	.....	1,052	14
Gums	6	21	6	155
Hair, all kinds	.....	19	4	33
Hay	.....	201	.....	293
Hemp, unmanufactured	65	465	1,003	1,799
Honey	.....	174	.....	301
Hops	.....	.....	22	.....
Horns and hoofs	.....	.....	50	21
Infusorial earth	.....	323	11	856
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	47,349	816	96,739	981
Ivory nuts	.....	.....	85	1,645
Jute, unmanufactured	30	.....	105	50
Lard substitute	685	.....	685	.....
Liquors	1,073	171	3,392	171
Lumber (including manufactured mill products)	1,236	82,825	1,611	170,914
Machinery	4,133	342	8,831	499
Malt	32	134	416	134
Manufactured goods [1]	2,948	302	3,998	798
Marble and granite	65	.....	179	.....

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Matches	293	75	328	138
Metals:				
Antimony	.....	40	.....	167
Copper	182	6,499	756	20,521
Gold and silver	14	11	20	99
Iron	903	68	1,490	68
Lead	.....	1,115	890	6,096
Tin	40	88	120	928
Zinc	118	.....	723	6,755
Other and unclassified	75	34	282	62
Milk, powdered	22	399	54	779
Molasses and syrups	180	.....	221	.....
Nitrates	2,889	257	5,039	160,044
Nuts, edible (including meats)	.....	183	161	691
Oats	.....	3,868	153	8,030
Oils, mineral:				
Crude	.....	.....	.....	112,092
Gas and fuel	.....	237,687	13,009	277,897
Gasoline, benzine and naphtha	8,349	64,045	17,138	99,240
Kerosene	157	15,685	387	16,061
Lubricating and greases	7,825	976	14,851	1,183
Oils, vegetable:				
Coconut	.....	.....	.....	4,483
Cottonseed	199	.....	199	5
Linseed	34	.....	378	.....
Olive	6	9	540	9
Rapeseed	17	10	17	916
Wood	29	.....	64	1,666
Other and unclassified	270	792	618	4,354
Oil, fish	50	21	105	82
Oil, whale	.....	.....	.....	167
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	.....	2,192	800	3,969
Oilseed cake and meal	.....	2,617	.....	4,247
Ores:				
Copper	.....	750	.....	811
Gold and silver	.....	.....	.....	2
Iron	.....	.....	.....	130,204
Lead	.....	.....	.....	572
Magnesite	.....	1,321	.....	1,321
Manganese	50	.....	50	6,002
Tin	.....	.....	.....	1,003
Zinc	.....	.....	.....	1,492
Other and unclassified	.....	48	1,600	112
Paints and varnishes	757	290	1,886	290
Paper and paper products [1]	12,320	4,956	25,515	8,003
Paper scrap	.....	608	1,317	608
Peanuts	688	267	688	299
Peas, dry	.....	47	.....	626
Peatmoss	.....	.....	557	.....
Phosphates	32	113	15,483	113
Plaster	13	.....	46	.....
Porcelainware	152	322	414	2,646
Potash	115	1,666	1,299	1,666
Pyrethrum flowers	.....	.....	.....	107
Rags and waste	114	310	298	897
Railroad material	7,028	.....	12,005	.....
Rice	501	338	1,406	5,052
Rope and twine	574	39	740	236
Rosin	1,002	.....	2,605	2
Rubber:				
Manufactured	1,081	161	1,412	254
Raw	.....	.....	.....	423
Scrap	.....	59	7	117
Salt	501	.....	3,853	50
Sand	942	.....	3,114	.....
Scrap metal	914	185	32,691	419
Seeds (except oilseeds)	469	489	1,221	741
Shells, oyster	1,601	.....	1,601	.....
Silk, raw	.....	764	9	1,892
Skins and hides	.....	2,898	36	6,198
Slag	.....	.....	370	.....
Slate	109	.....	109	.....
Soaps and products	2,696	330	2,770	471
Soda and sodium compounds	1,008	.....	2,801	48
Soy beans	20	.....	63	16,772
Sugar	21	18,284	3,483	219,574
Sulphur	13,545	.....	14,051	.....
Talc	81	76	81	76
Tallow	.....	110	60	2,140
Tea	13	70	169	480

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Textiles [2]	5,694	238	11,825	2,824
Tinplate	11,853	27	30,420	27
Tobacco and manufactures	1,123	14	5,422	58
Toilet preparations	308	107	312	205
Turpentine	94	.....	237	.....
Vegetables, dry [1]	.....	19	25	883
Wall board	485	.....	485	696
Wax, paraffin	624	61	1,607	61
Wheat	.....	5,161	1,000	129,419
Wines	87	683	1,177	1,293
Wood pulp	174	10,840	1,068	12,426
Wool	16	4,921	346	18,576
Total, April 1934	198,556	580,980	510,018	1,781,374
Total, April 1933	135,267	404,399	398,096	1,129,882
Total, April 1932	121,479	305,398	378,606	1,065,125

[1] Except as otherwise classified. [2] Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during April 1934, classified according to trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	29	179,124	9,520	25	160,923	318,364
East coast United States and South America	1	7,665	.....	.....	.....	.....
East coast Canada and South America	1	4,680	2,571	3	20,885	44,771
Central American intercoastal	1	5,144	6,123	.....	.....	.....
South American intercoastal	1	5,278	11,717	.....	.....	.....
Cristobal and west coast United States	1	5,725	.....	1	5,725	12,000
West Indies and west coast United States	1	5,395	.....	2	9,887	20,623
West Indies and west coast South America	1	8,069	.....	.....	.....	.....
Europe and west coast United States	5	29,566	.....	1	5,163	9,979
Europe and west coast South America	4	24,183	.....	7	46,751	96,728
Africa and west coast South America	2	15,890	.....	.....	.....	.....
Total	47	290,709	29,931	39	249,334	502,465

Comparison of Canal Traffic in April 1934 with April Traffic in Previous Years

Calendar year	Month of April			Fiscal year	Average per month for fiscal year		
	Commercial transits	Panama Canal net tonnage	Tons of cargo		Commercial transits	Panama Canal net tonnage	Tons of cargo
1915	[1] 121	404,561	521,169	1915	[2] 102	361,197	465,567
1916	75	233,990	366,784	1916	63	199,687	257,843
1917	150	524,091	628,169	1917	150	483,213	588,213
1918	173	542,145	627,358	1918	172	547,839	627,669
1919	161	480,867	506,929	1919	169	510,416	576,385
1920	220	822,471	867,521	1920	206	712,170	781,208
1921	227	955,503	907,613	1921	241	951,323	966,601
1922	230	974,833	1,046,047	1922	228	951,455	907,075
1923	404	2,007,690	2,187,145	1923	331	1,550,482	1,630,656
1924	403	2,053,171	2,158,721	1924	436	2,179,073	2,249,559
1925	382	1,840,692	1,950,902	1925	389	1,904,506	1,996,570
1926	425	2,048,247	2,237,567	1926	433	2,064,549	2,169,787
1927	464	2,224,500	2,429,807	1927	456	2,185,651	2,312,351
1928	531	2,384,491	2,473,884	1928	538	2,454,886	2,469,226
1929	540	2,488,176	2,719,668	1929	534	2,468,483	2,555,250
1930	489	2,479,096	2,456,782	1930	515	2,498,385	2,502,519
1931	453	2,292,805	2,011,117	1931	461	2,316,012	2,090,233
1932	370	1,863,692	1,443,731	1932	376	1,968,785	1,650,667
1933	370	1,839,597	1,527,978	1933	375	1,901,823	1,514,811
1934	495	2,493,606	2,291,392	(3)	465	2,397,875	2,064,658

[1] Canal opened August 15, 1914. [2] Average for 10½ months. [3] Average for 10 months of fiscal year.

It will be noted from the above table that the Panama Canal net tonnage of last month's traffic (2,493,606) was the highest for the month of April of any year since the opening of the Canal. The previous high April tonnage occurred in 1929 when the aggregate Panama Canal tonnage was 2,488,176 (on 540 vessels). The number of commercial transits last month has been exceeded twice in April traffic—in 1929 with 540, and in 1928 with 531. Tolls collected last month have been exceeded by three previous months of April—in 1928, 1929, and 1930—while cargo tonnage was surpassed four times—in 1927, 1928, 1929, and 1930.

The high figures on net tonnage on a smaller number of vessels than in 1928 and 1929 indicates, of course, a greater tonnage per ship. This applies particularly to the tanker traffic which averaged 6,280 net tons, Panama Canal measurement, per vessel in the past month as compared with 5,419 for April 1929. The net tonnage of the general cargo carriers in the past month was 4,855 as against 4,498 for the month of April 1929.

Terminal Activities

Ships repaired during the month of April 1934, numbered 50, including 8 which were drydocked. Fuel oil in the quantity of 313,041 barrels was delivered as bunkers to 125 commercial vessels. Bunker coal amounting to 7,540 tons was delivered to 19 commercial vessels. Sales of commissary supplies amounted to $90,027.20.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Cargoes of bunkers arriving:			
Fuel oil, gasoline, etc. ..... tons..	59,528	57,043	116,571
Coal ..... tons..	10,618	.....	10,618
Local general cargo arriving ..... tons..	16,411	15,984	32,395
Local general cargo shipped ..... tons..	4,643	460	5,103
Cargo received for transshipment ..... tons..	32,100	2,981	35,081
Cargo transshipped ..... tons..	34,179	2,256	36,435
"Canal Zone for Orders" cargo:			
Number of receipts issued	22	2	24
Number of releases issued	62	21	83
Tons received	335	12	347
Tons withdrawn	417	8	425

All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
Ships entering						
All vessels, including those transiting Canal..	655	4,237,204	2,851,144	622	3,915,908	2,626,195
Vessels entering port but not transiting Canal.	63	424,794	269,022	24	82,289	47,836
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	134	870,863	512,093	81	560,995	327,689
Ships clearing						
All vessels, including those transiting Canal..	546	3,517,485	2,114,211	618	3,902,294	2,617,815
Vessels clearing port but not transiting Canal.	64	380,838	218,472	24	82,289	47,836
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	135	886,362	520,255	81	566,921	331,388

Cargo Discharged and Laden in Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, April 15, 1934, to midnight, May 15, 1934. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Magallanes, 0, 604
Oakland, 68, 453
San Gabriel, 102, 0
Peten, 39, 172
Can. Britisher, 94, 57
Persistence, ¼, 0
Granville, 0, 440
Ryoyo Maru, 419, 5
Venezuela, 28, 0
Contessa, 184, 568
Erlangen, 0, 345
Adalia, 47, 47
Floride, 200, 0
Narenta, 321, 0
Tuira, 51, 72
Cerigo, 0, 484
Santa Maria, 535, 19
Essen, 0, 733
Davanger, 10,911, 0
Ancon, 1,481, 1,158
Nansenville, 225, 3pkgs.
West Nilus, 12, 0
Istmo, 0, 193
Santa Clara, 278, 474
San Antonio, 116, 253
Deborah, 0, 10
Harvester, 947, 0
Veragua, 277, 131
Europa, 2½, 0
Santa Monica, 1,244, 0
Metapan, 958, 408
Santa Teresa, 343, 116
Salvador, 0, 274
Venezuela, 0, 625
Indra, 3, 0
Vigilant, 19½, 9
San Mateo, 8, 122
Middlesex, 71, 0
Colombia, 92, 713
Velma Lykes, 207, 131
Calamares, 381, 129
Santa Rosa, 235, 332
Manizales, 960, 660
Boskoop, 176, 34
Caribia, 112, 1
Veragua, 25, 81½
Cefalu, 349, 830
Iris, 23, 0
Santa Lucia, 247, 186
San Vincente, 167, 0

CRISTOBAL—Continued

San Diego, 12, 5
Director, 177, 0
Nosa King, 0, 304
Santa Inez, 618, 0
Agira, 314, 474
Lochkatrine, 11 pkgs., 221
Atago Maru, 136, 0
Los Angeles, 23, 165
Odenwald, 110, 825
Guayaquil, 1,404, 635
Quirigua, 650, 163
Mantilla, 4,142, 0
Vancouver, 199, 125
California, 0, 484
Colombie, 123, 941
Nosa Chief, 26, 726
Santa Elisa, 446, 411
West Ira, 147, 0
Sixaola, 1,585, 182
Costa Rica, 52, 0
Acajutla, 727, 622½
Reina del Pacifico, 142, 157
Haiti, 163, 587
Toloa, 283, 385
Pres. Lincoln, 652, 0
Absaroka, 0, 87
Bodegraven, 6, 602
Istmo, 409, 173
Durazzo, 1,140, 840
Karamea, 25, 0
Esperance, 0, 33
Tokai Maru, 756, 45
Quirigua, 43, 79
Point Lobos, 520, 0
Contessa, 218, 806
Lochgoil, 181, 31
Wyoming, 55, 277
Sambu, 15, 13
R. L. Hustler, 1½, 0
Sta. Monica, 756, 1,056
Benj. Franklin, 0, 160
Caribia, 76, 1,029
Tacoma, 53, 42
Sta. Barbara, 377, 479
Nuevo Panama, 230, 266
Cristobal, 2,102, 901
Pres. Cleveland, 4, 0
Margaret Johnson, 0, 163
Canadian Challenger, 10, 536
Santa Maria, 210, 333
Peten, 345, 4
Tosca, 26, 0
Sta. Marta, 1,041, 151
Livingston Roe, 11,667, 0
Cali, 1,068, 428
Carare, ½, 0
Vigilant, 50, 20
Rialto, 101, 0
Feodosia, 231, 501
Costa Rica, 5, 488½
Knute Nelson, 4½, 58
Santa Elena, 262, 206
San Rafael, 56, 0
Ulua, 366, 612¾
Sta. Cecilia, 980, 56
Stella Lykes, 196, 25
Lisbon Maru, 202, 0
Orbita, 50½, 26
Niel Maersk, 4, 0
Amerika, 0, 3
Peten, 103, 221
Santa Paula, 166, 9
Ansgir, 120, 94
Delftdijk, 58, 86½
Cefalu, 510, 576
Orazio, 57, 509
Santa Isabel, 877, 0
Iris, 192, 34
Dorelian, 253, 0
Canadian Constructor, 10, 278
Bolivar, 163, 223¾
Seattle, 93, 28
Can. Leader, 116, 29
Canada, 0, 350
Belfast Maru, 235, 0
Cerigo, 1,058, 1,300½
Wisconsin, 80, 54
Nuevo Panama, 230, 0
Buenaventura, 1,677, 1,123
Pres. Johnson, 2, 0
Zacapa, 657, 69
Veragua, 435, 37
Dorothy Cahill, 1,620, 97
Flandre, 75, 0
Sta. Teresa, 495, 206
Salvador, 334, 0
Axel Johnson, 214, 0
Simon Bolivar, 100, 1 pkg.
Arica, 188, 318
Roland, 460, 1,032
Kurama Maru, 600, 0
Soyo Maru, 491, 0
Kinai Maru, 619, 0
Calamares, 494, 558
Pastores, 36, 833
President Taft, 315, 22
Kreta, 16, 295
Flandre, 4, 470½
Manizales, 988, 0
Veragua, 11, 4½
San Marcos, 630, 0
Drechtdijk, 242, 4
J. S. Elcano, 157, 0
Democracy, 168, 0
Contessa, 296, 0

BALBOA

Bokuyo Maru, 22, 0
Salinas, 11,589, 0
Santa Maria, 63, 0
Pres. Wilson, 2, 0
Nansenville, 1,124, 0
Santa Monica, 53, 0
Santa Clara, 11, 52
Santa Teresa, 110, 0
Chaumont, 19, 9
Manizales, 1, 0
Santa Monica, 0, 52
Santa Rosa, 15, 3
Antigua, 310, 131
Santa Lucia, 162, 1
Tai Yang, 1,087, 0
San Blas, 1, 0
Santa Inez, 495, 0
West Ira, 1,102, 0
El Mirlo, 12,084, 0
Tejon, 10,250, 0
Chateau Thierry, 32, 22
Sandar, 11,120, 0
Virginia, 66, 0
President Hayes, 2, 0
Nosa King, 10, 286
Point Sur, 4,829, 0
Salinas, 0, 7,000
Santa Elisa, 58, 216
Nosa Chief, 14, 144
Talamanca, 682, 72
Istmo, 233, 0
Bodegraven, 113, 383
Santa Monica, 0, 415
Santa Barbara, 0, 1
Lochgoil, 24, 0
Tosca, 84, 0
Rangitane, 49, 0
Nosa Chief, 937, 0
Santa Maria, 103, 14
Santa Cecilia, 88, 950
Chiriqui, 226, 103
Santa Elena, 30, 44
Amerika, 0, 130
Ludington, 882, 189
Knute Nelson, 843, 0
Santa Paula, 84, 40
California, 0, 10
Republic, 827, 80
Pennsylvania, 27, 42
Salvador, 438 lbs., 0
Santa Teresa, 0, 4
Henderson, 22, 0
Antigua, 346, 117
West Ivis, 1,064, 11
Cerigo, 0, 52
American Star, 450, 0
Santa Monica, 0, 2

Passengers

Ocean ship passengers disembarking at Cristobal numbered 1,275; embarking, 1,728; at Balboa, 1,868 disembarking and 1,183 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 3,632, from the Pacific to the Atlantic, 3,541. Aircraft numbering 41 entered Cristobal, and 124 passengers disembarked; clearances were 37, with 98 passengers embarking; at Balboa one aircraft entered with 4 passengers disembarking; clearances 1, with no passengers embarking.

United States Fleet Transits Canal

The U.S.S. *Pennsylvania*, flagship of the United States Fleet, with Commander-in-chief, Admiral David F. Sellers on board, and some 109 additional vessels comprising the Battle and Scouting fleets of the United States Navy, arrived in local waters and beginning on the afternoon of April 21, 1934, assembled at the Pacific entrance to the Canal for transit northbound. During the early morning hours of April 23 the transit of the fleet was started. Continuous operation, day and night, was maintained, using the locks to full capacity until the entire fleet had transited. The operation required approximately 48 hours.

This was the first time that the fleet transited as a unit and caused some congestion of private shipping at the terminal ports while these ships awaited their turn. Following the transit of the last vessel of the fleet, six commercial vessels that were awaiting northbound transit were dispatched through the Canal on the evening of April 24, and then the transit of vessels awaiting southbound passage was begun with 22 ships transiting the Canal southbound on April 25. The congestion of commercial ships was practically cleared on April 26, and on April 27 normal operations were resumed with north and southbound transits being made simultaneously.

Officials of the fleet and of the Navy Department in Washington have expressed themselves as well pleased with the maneuver, which was completed without damage to any vessels of the fleet.

Movements of Ocean Vessels Through the Panama Canal

From midnight April 15, 1934, to midnight May 15, 1934

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Dean Emery [2]	15	16	Amer.	Standard Ship. Co.	Aruba, D.W.I.	Los Angeles, Cal.	Ballast	.....
Willzipo	15	16	Amer.	Williams S.S. Line	Baltimore, Md.	Seattle, Wash.	General	2,500
Ardmore [1]	16	16	Amer.	Ardmore S.S. Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
San Gabriel	16	16	Amer.	Pac.-Atlantic S.S. Co.	New York, N.Y.	Tacoma, Wash.	General	2,670
Pirate [3]	16	...	Pan.	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z. [15]	Bananas	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Hoperange [2]	16	17	Brit.	Vanco'er-St.Laurence.	Halifax, N.S.	Vancouver, B.C.	General	4,700
Pacific President [2]	17	17	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B.C.	General	869
Halsey [1]	17	17	Amer.	Shell Oil Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast	.....
Steelmaker	17	17	Amer.	Isthmian S.S. Lines	Swansea, Eng.	Vancouver, B.C.	Steel, gen.	8,891
Canadian Britisher	16	17	Brit.	Can. Nat. Steamships.	Halifax, N.S.	Melbourne, Aust.	General	2,548
Winton [2]	17	18	Brit.	Amer.-Aust'lian Line.	Philadelphia, Pa.	Sydney, Aust'lia.	General	3,768
Gen. Wm. M. Graham. [11]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Skeena [9]	18	...	Brit.	British Government	Montego Bay, Ja.	Esquimalt, B.C.	Ballast	.....
Vancouver [9]	18	...	Brit.	British Government	Montego Bay, Ja.	Esquimalt, B.C.	Ballast	.....
Mary Ann [13]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Kansan	17	18	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,520
Narenta	17	18	Brit.	Royal Mail Line, Ltd.	Rotterdam, Neth.	Vancouver, B.C.	General	2,125
Tulsagas [1]	17	18	Amer.	Tidewater Oil Co.	New York, N.Y.	S. Francisco, Cal.	Lub. oil	1,210
Oregon Maru	18	18	Jap.	Kawasaki K. Kaisha.	New York, N.Y.	Kobe, Japan	Ballast	.....
Moldanger [2]	18	18	Nor.	Interocean S.S. Corp.	Rotterdam, Neth.	Vancouver, B.C.	Oil	200
Cerigo	14	18	Ger.	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil, Ecuad	General	484
Ninna	18	19	Dan.	J. Lauritzen	Rotterdam, Neth.	Valparaiso, Chile.	Ballast	.....
Tuira [2]	17	18	Pan.	Elliot Ship.& Land Co	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	35
Real [2]	17	...	Pan.	Elliot Ship.& Land Co	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Motor Sailer	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Portland Maru	19	19	Jap.	Kokusai Kisen Kaisha	New York, N.Y.	Yokohama, Japan	([16])	6,666
President Wilson	19	20	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	2,513
Kwanto Maru [2]	19	19	Jap.	Osaka Shosen Kaisha.	Boston, Mass.	Kobe, Japan	([17])	7,390
Edward Luckenbach.	19	19	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,722
Charles R. McCormick.	19	19	Amer.	McCormick S.S. Co.	Philadelphia, Pa.	Tacoma, Wash.	General	3,236
John D. Archbold [1]	19	19	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Nansenville [2]	19	20	Nor.	Fred Olsen Line	Antwerp, Belg.	Vancouver, B.C.	General	3,511
Istmo	19	19	Pan.	Elliot Ship.& Land Co	Santa Marta, Col.	B'ventura, Col.	Salt, general.	485
West Nilus	19	19	Amer.	McCormick S.S. Co.	Buenos Aires, Arg.	Vancouver, B.C.	Coffee, gen.	2,111
L-53 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Towingbarge	.....
Col. Riche [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Q.M.C. No. 1 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Krassin [14]	17	10	Rus.	Leningrad Mercantile.	Lening'd, U.S.S.R.	Bering Sea	Ballast	.....
Santa Clara [2]	19	20	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	2,769
Gretafield [1]	19	20	Brit.	Hunting & Son	Newcastle, Eng.	Los Angeles, Cal.	Ballast	.....
Marguerite Finaly. [1] [2]	19	20	Fr.	Standard Ship. Co.	Aruba, D.W.I.	Talara, Peru	Ballast	.....
San Quirino [1]	20	20	Brit.	Eagle Oil & Ship. Co.	Manchester, Eng.	La Libertad, Ecu.	Ballast	.....
Silversandal [2]	20	20	Brit.	Kerr S.S. Co.	Boston, Mass.	Hongkong, China	General	2,917
Muncaster Castle [2]	20	20	Brit.	Barber Line	New York, N.Y.	Shanghai, China	General	970
Svealand [2]	20	20	Swed.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Europa [2]	20	20	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B.C.	General	207
Ulla	20	21	Dan.	J. Lauritzen	Elsinore, Den.	Valparaiso, Chile.	Ballast	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Chaumont [8]	19	23	Amer.	U.S. Navy	H'pton Rds., Va.	S. Francisco, Cal.	Navy gen.	174
Salvador	13	21	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	750
Rigel [2]	20	21	Nor.	Westfal, Larsen Line.	Buenos Aires, Arg.	Vancouver, B.C.	General	958
Skramstad [2]	20	22	Nor.	Fern Line	New Orleans, La.	Portland, Oreg.	Ballast	.....
Chester Sun [1] [2]	21	21	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Cathwood [1]	21	22	Amer.	Union Oil Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Oakmar	21	21	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,620
City of Delhi	21	22	Brit.	Ellerman Lines, Ltd.	New York, N.Y.	Freemantle, Aust.	General	4,547
Santa Monica [2]	20	21	Amer.	Panama Mail S.S. Co.	Cristobal, C.Z.	Acajutla, Sal'dor.	General	52
Indra [2]	21	21	Nor.	Scand.-S. Pacific Line.	Goth'burg, Swed.	Valparaiso, Chile.	([18])	1,544
Nevadan	21	21	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,709
L-53 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
El Sona [2]	20	...	Pan.	Pinel Brothers	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Libertador [2]	20	...	Pan.	Pinel Brothers	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Santa Rosa	21	22	Amer.	Panama Mail S.S. Co.	New York, N.Y.	Seattle, Wash.	General	3,744
Remuera	22	22	Brit.	N.Z. Shipping Co.	London, Eng.	Wellington, N.Z.	General	3,360
San Mateo	21	22	Fr.	French Line	Havre, France	Valparaiso, Chile.	General	1,055
Tortugas [2]	21	22	Nor.	Isbrandtsen Moller	Chester, Pa.	Yokohama, Japan	General	1,800
Antietam [1]	21	22	Amer.	Penn. Shipping Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast	.....
Trontolite [1] [2]	22	22	Brit.	Imperial Oil Co.	Halifax, N.S.	B'ventura, Col.	Gasoline	2,571

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [8] Transport. [9] Destroyer. [11] Mine planter. [13] Crane. [14] Ice breaker. [15] And return to Cristobal. [16] Phosphate, cotton, scrap iron. [17] Phosphate, general. [18] Paper, cement, general, explosives.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Beljeanne [2]	22	22	Nor...	Anglo-Can. Ship. Co..	Pensacola, Fla...	Los Angeles, Cal.	Ballast	.....
Jonna	22	22	Dan...	Wessel, Duval & Co..	New York, N.Y..	SanAntonio, Chile	General	558
Real [2]	20	...	Pan...	Elliot Ship.& Land Co	Cristobal, C.Z...	Balboa, C.Z.	Ballast	.....
Manizales	21	25	Ger...	North German Lloyd.	Cristobal, C.Z...	Guayaquil, Ecuad	General	654
Arna [2]	22	25	Nor...	S. M. Kuhnle & Son..	Nuevitas, Cuba..	Los Angeles, Cal.	Ballast	.....
Mevania [1]	22	25	Amer..	C. D. Mallory & Co...	New York, N.Y..	Los Angeles, Cal.	Ballast	.....
Agra [2]	23	25	Swed..	Isbrandtsen Moller...	Savannah, Ga...	Manila, P.I.	General	5,729
Point Chico	23	25	Amer..	Swayne & Hoyt	Houston, Tex...	Seattle, Wash.	(13)	5,039
Knoxville City	23	25	Amer..	Isthmian S.S. Lines...	Philadelphia, Pa.	Shanghai, China.	General	6,068
Levenbridge	23	25	Brit...	Inter. Freighting Co..	Newp't News, Va.	Chile	Ballast	.....
Herman Frasch	23	25	Amer..	Union Sulphur Co...	Galveston, Tex..	Seattle, Wash.	(14)	5,075
Steel Inventor	23	25	Amer..	Isthmian S.S. Lines...	New York, N.Y..	Honolulu, T.H.	(15)	8,458
Geddington Court	24	25	Brit...	Canadian Transp. Co.	S. Shields, Eng...	Vancouver, B.C..	Ballast	.....
Gracia	24	26	Brit...	Donaldson Brothers..	Glasgow, Scot...	Vancouver, B.C..	General	844
Southern San [1] [2]	24	25	Amer..	Sun Oil Co	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Cambridge	24	26	Brit...	Federal Steam Nav.Co	Liverpool, Eng...	Auckland, N.Z...	General	5,765
Columbian	24	25	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,140
Iris	24	25	Neth..	Royal Neth. S.S. Co..	Curacao, D.W.I..	B'ventura, Col...	General	123
Charles Christenson.	24	25	Amer..	Sudden & Christenson.	Bayonne, N.J.	Portland, Oreg...	General	2,300
Dagrun [2]	25	25	Nor...	La Gen. Soc. Anonyme	Antwerp, Belg...	Yokohama, Jap..	General	7,605
R. L. Hague [1] [2]	25	25	Ital...	Brit.-Mex. Pet. Co...	Ceuta, Morocco..	Talara, Peru	Ballast	.....
Shikisan Maru [2]	25	25	Jap...	Mitsui Bussan Kaisha.	New Orleans, La.	Grays Har.,Wash	Ballast	.....
Canadian Scottish	25	25	Brit...	Can. Nat. Steamships.	Halifax, N.S.	Lyttleton, N.Z...	General	3,619
Tamiahua [1]	25	26	Amer..	Standard Ship. Co...	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
San Vincente	25	26	Amer..	Quaker Line	New York, N.Y..	Seattle, Wash.	General	2,416
San Lorenzo [2]	22	26	Pan...	G. Tamm	Cristobal, C.Z...	Balboa, C.Z.	Ballast	.....
San Diego	25	26	Fr...	French Line	Dunkerque, Fr...	Vancouver, B.C..	General	3,187
Forresbank [2]	25	27	Brit...	Mitsubushi Co.	Savannah, Ga...	Moji, Japan	Scrap iron	8,000
President Hayes	27	27	Amer..	Dollar Line	New York, N.Y..	S. Francisco, Cal.	General	2,536
Nosa King	25	27	Amer..	N.O. & S.A. S.S. Co...	Philadelphia, Pa.	S. Antonio, Chile.	(16)	4,156
Virginia	27	27	Amer..	Panama-Pacific Line..	New York, N.Y..	S. Francisco, Cal.	General	2,748
Walter A. Luckenbach.	26	27	Amer..	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,334
Sagadahoc	26	27	Amer..	Argonaut S.S. Co.	New York, N.Y..	Seattle, Wash.	Steel, general	3,425
Steel Exporter	26	27	Amer..	Isthmian S.S. Lines...	Portland, Me.	Vancouver, B.C..	Steel, general	7,962
City of Windsor	26	27	Brit...	Ellerman & Bucknall..	Boston, Mass.	Dairen, China	General	5,008
W. S. Miller [1]	27	27	Amer..	Standard Oil Co.	Tampico, Mex...	Los Angeles, Cal.	(17)	6,125
Lebore	24	27	Amer..	Ore S.S. Corp.	Norfolk, Va.	Cruz Gr'de, Chile	Ballast	.....
Hoxbar [1]	27	27	Amer..	U.S. Navy	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Anglo African	27	27	Brit...	Anglo-Can. Ship. Co..	S. Shields, Eng...	Vancouver, B.C..	Ballast	.....
Los Angeles [2]	26	27	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Vancouver, B.C..	General	2,770
Nordfarer [2]	27	27	Dan...	Anglo-Can. Ship. Co..	Manchester, Eng.	Los Angeles, Cal.	Ballast	.....
J-26 [5]	...	...	Amer..	U.S. Army	Cristobal, C.Z...	Gatun, C.Z.	Ballast	.....
M-101 [5]	...	...	Amer..	U.S. Army	Cristobal, C.Z...	Gatun, C.Z.	Ballast	.....
Salinas	24	...	Amer..	U.S. Navy	Cristobal, C.Z...	Balboa, C.Z.	Ballast	.....
Sunnanvik [2]	27	28	Swed..	Norrkopings Rederi..	Chester, Pa.	S. Francisco, Cal.	Ballast	.....
Sheafholme [2]	27	28	Brit...	Chilean Nitrate Corp.	Wilmington, N.C.	Iquique, Chile	Ballast	.....
Ashleigh	27	28	Brit...	Anglo-Can.Transp.Co	Barry, Eng.	Vancouver, B.C..	Ballast	.....
Ohioan	28	28	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg...	General	2,960
Katrina Luckenbach.	28	28	Amer..	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General	3,903
Hegira	28	28	Amer..	Pac. Coast Direct Line	Boston, Mass.	Seattle, Wash.	Gen., steel..	1,284
Odenwald [2]	26	28	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Valparaiso, Chile.	General	2,465
Santa Elisa	27	29	Amer..	Grace Line	New York, N.Y..	S. Antonio, Chile.	General	2,928
Nosa Chief	27	29	Amer..	Grace Line	New York, N.Y..	S. Francisco, Cal.	General	1,690
Reina del Pacifico [2]	28	29	Brit...	Pacific Steam Nav. Co	Liverpool, Eng...	Talcahuano, Chile	General	2,782
Jennie Barbour [2]	28	30	Amer..	States S.S. Co.	New Orleans, La.	Portland, Oreg...	Ballast	.....
Rio de Janeiro Maru. [2]	28	29	Jap...	Osaka Shosen Kaisha.	BuenosAires, Arg.	Kobe, Japan	General	4,490
Mauna Ala	29	29	Amer..	Matson Nav. Co.	New Orleans, La.	Honolulu, T.H.	Ballast	.....
Timber Rush	29	29	Amer..	Shepard S.S. Co.	Newp't News, Va	Portland, Oreg...	General	5,489
Whale Boat	...	...	Amer..	U.S. Navy	Cristobal, C.Z...	Gatun, C.Z.	Ballast	.....
Willkeno	29	30	Amer..	Williams S.S. Line...	Baltimore, Md...	Seattle, Wash.	General	2,024
W. S. Rheem [1]	29	30	Amer..	Standard Ship. Co.	Providence, R.I..	Los Angeles, Cal.	Ballast	.....
City of Elwood [2]	30	30	Amer..	Roosevelt S.S. Co.	Baltimore, Md...	Shanghai, China.	General	5,110
Pat Doheny [1]	30	30	Amer..	Shell Oil Co	Mobile, Ala.	Los Angeles, Cal.	Ballast	.....
Absaroka	29	30	Amer..	McCormick S.S. Co...	Philadelphia, Pa.	Tacoma, Wash...	(18)	1,676
Esperance	30	30	Fr...	MessageriesMaritimes	Marseilles, Fr...	Noumea, N.Caled	General	1,040
Bodegraven	29	1	Neth..	Royal Neth. S.S. Co..	Hamburg, Ger...	Corral, Chile	General	1,835
San Francisco Maru.	30	30	Jap...	Mitsui Trading Co...	G'getown, B.W.I.	Kobe, Japan	(19)	6,891
Pirate [3]	30	...	Pan...	E. J. Hooper	Cristobal, C.Z...	Gatun, C.Z. [20]	Bananas	.....
Pacific Trader [2]	30	1	Brit...	Furness, Withy & Co.	Glasgow, Scot...	Vancouver, B.C..	General	753
Allan Jackson [1]	30	1	Amer..	Standard Ship. Co.	New York, N.Y..	Los Angeles, Cal.	Ballast	.....
Washington Express. [2]	1	1	Nor...	Fruit Express Line	Goth'burg, Swed.	Los Angeles, Cal.	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [4] Tug. [5] Launch. [13] Oil, steel, general. [14] Sulphur, oyster shells. [15] Sulphate of ammonia, steel. [16] Steel, explosives. [17] Gasoline, kerosene, case oil. [18] Iron, steel, general. [19] Steel, scrap iron. [20] And return to Cristobal.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Pennsylvanian	1	1	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,508
Avelona Star	1	1	Brit.	Blue Star Line	London, Eng.	Auckland, N.Z.	Ballast	
Point Lobos	30	1	Amer.	Gulf-Pac. Mail Line	Beaumont, Tex.	Seattle, Wash.	General	1,224
Durazzo	29	1	Ger.	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil, Ecuad	General	839
Skagern	1	1	Swed.	General S.S. Corp.	Baltimore, Md.	Vancouver, B.C.	Ballast	
Sangstad [2]	1	2	Nor.	Fern Line	Antwerp, Belg.	Shanghai, China	General	7,255
Lochgoil [2]	1	2	Brit.	Royal Mail Lines	Rotterdam, Neth.	Vancouver, B.C.	General	1,727
Taihei Maru [2]	2	2	Jap.	Mitsui Bussan Kaisha	Philadelphia, Pa.	Kobe, Japan	Ballast	
Australia [1] [2]	2	3	Amer.	The Texas Co.	Pt. Arthur, Tex.	Hankow, China	([13])	17,218
Tuira [2]	1		Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Tacoma	2	3	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	3,300
K. R. Kingsbury [1]	2	3	Amer.	Standard Ship. Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	
President Cleveland.	3	4	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	2,288
Paul Luckenbach.	3	3	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,202
Golden Eagle	3	3	Amer.	Matson Nav. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	
Amerikaland [2]	3	3	Swed.	Ore S.S. Corp.	New York, N.Y.	Cruz Gr'de, Chile	Ballast	
Sanyo Maru [2]	3	3	Jap.	Osaka Shosen Kaisha	Baltimore, Md.	Kobe, Japan	General	7,384
Sambu [2]	1	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	12
D. G. Scofield [1]	3	4	Amer.	Standard Ship. Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Neuvo Panama [2]	2	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	270
Mataroa	4	5	Brit.	Shaw, Savill & Albion.	London, Eng.	Pt. Chalm'rs, N.Z.	Steel, gen.	1,775
Tai Yin [2]	4	4	Nor.	Barber Wilhelmsen	New York, N.Y.	Kobe, Japan	([14])	4,318
Chinese Prince [2]	4	4	Brit.	Prince Line, Ltd.	Philadelphia, Pa.	Hongkong, China	General	1,650
Fresno City [2]	4	4	Brit.	Reardon Smith Line	Beaumont, Tex.	Moji, Japan	([15])	8,183
Uffington Court	4	4	Brit.	Canadian Transp. Co.	Sunderland, Eng.	Vancouver, B.C.	Ballast	
Ensley City	4	4	Amer.	Isthmian S.S. Lines	Portland, Me.	Tacoma, Wash.	General	6,511
Westmoreland	4	4	Brit.	FederalSteamNav.Co.	Liverpool, Eng.	Wellington, N.Z.	Ballast	
Umberleigh	4	4	Brit.	Anglo-Can. S.S. Co.	Barry, Eng.	Vancouver, B.C.	Ballast	
Santa Maria [2]	3	5	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	2,092
J-26 [5]			Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Acajutla	28	5	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	622
Slemmestad [2]	5	5	Nor.	Fern Line	Houston, Tex.	Osaka, Japan	General	4,800
City of Bedford	5	5	Brit.	Ellerman & Bucknall.	Pt. Arthur, Tex.	Sydney, Aus'lia.	General	3,889
Heimvard [2]	5	5	Nor.	Strange & Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	
Livingston Roe [1]	4	5	Amer.	Standard Ship. Co.	Aruba, D.W.I.	Los Angeles, Cal.	Ballast	
Minnesotan	5	5	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,721
Rialto [2]	5	5	Ital.	Nav. Libera-Triestina	Trieste, Italy	Vancouver, B.C.	General	964
Olivebank [3]	5	6	Brit.	Long Is.Mach.&Equip	Norfolk, Va.	Osaka, Japan	Scrap iron	7,994
Real [2]	25		Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast [16]	
Santa Elena	5	6	Amer.	Panama Mail S.S. Co	Philadelphia, Pa.	Seattle, Wash.	Gen., coffee	3,041
Port Hunter	5	6	Brit.	Com'lth & Dom. Line	London, Eng.	Napier, N.Z.	Gen., exp.	3,066
Cali	4	6	Ger.	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	426
San Rafael	5	6	Amer.	States S.S. Co.	New York, N.Y.	Tacoma, Wash.	General	3,180
Kirishima Maru [2]	5	6	Jap.	Kokusai Kisen Kaisha	Philadelphia, Pa.	Kobe, Japan	Cotton, gen.	7,086
Knute Nelson [2]	5	7	Nor.	Fred Olsen Line	Oslo, Norway	Vancouver, B.C.	General	1,083
Point Caleta	5	6	Amer.	Gulf-Pacific Line	Houston, Tex.	Seattle, Wash.	([17])	4,421
Robert Luckenbach.	6	6	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Ballast	
Canadian Cruiser.	6	6	Brit.	Can. Nat. Steamships.	Halifax, N.S.	Lyttleton, N.Z.	General	3,521
H. M. Storey [1]	6	6	Amer.	Standard Transp. Co.	Providence, R.I.	Los Angeles, Cal.	Ballast	
Vermar	6	6	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	General	6,788
Colon [2]	5		Pan.	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
San Lorenzo [2]	5		Pan.	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Chr. Knudsen [2]	6	7	Nor.	A/S Borgestad	New Orleans, La.	Los Angeles, Cal.	Ballast	
Berganger [2]	7	7	Nor.	Interocean S.S. Corp.	London, Eng.	Vancouver, B.C.	Psgrs. only.	
Athellaird [1] [2]	7	7	Brit.	United Molasses Co.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	
Bradglen	7	7	Brit.	Reardon Smith Line.	New York, N.Y.	Vancouver, B.C.	Ballast	
Hanover	7	7	Amer.	Lykes Bros. Ripley Co	New Orleans, La.	Cebu, P.I.	Cotton, gen.	6,750
Taketoyo Maru	7	7	Jap.	Nippon Yusen Kaisha	Baltimore, Md.	Kobe, Japan	Gen., cotton.	8,601
J-26 [5]			Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Villanger [2]	7	8	Nor.	Interocean S.S. Corp.	London, Eng.	Vancouver, B.C.	Ballast	
Herman F. Whiton	7	8	Amer.	Texas-Gulf Sul. Co.	Galveston, Tex.	Tacoma, Wash.	Sulphur	7,375
Hoyeisan Maru	7	8	Jap.	Mitsui Bussan Kaisha	New York, N.Y.	Yawata, Japan	([18])	7,600
J. M. Danziger [1]	7	8	Amer.	Standard Ship. Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Steel Traveler	8	8	Amer.	Isthmian S.S. Lines	Baltimore, Md.	Manila, P.I.	General	6,610
S. C. T. Dodd [1]	8	8	Amer.	Standard Oil Co.	Paulsboro, N.J.	Los Angeles, Cal.	Lubricat'g oil	4,660
Pirate [3]	8		Pan.	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z. [19]	Bananas	
Bente Maersk [1]	8	9	Dan.	([20])	Belfast, Ireland.	Lobitos, Peru	Ballast	
Californian [2]	8	9	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,570
Columbia Maru [2]	9	9	Jap.	Mitsubishi Shoji Kai'a	Aarhuus, Den.	Seikoshin, Japan.	Phosphates	8,256
Tuira [2]	8		Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Canadian Leader	9	10	Brit.	Can. Nat. Steamships.	Halifax, N.S.	Adelaide, Aus'lia.	General	3,698
Knut Hamsun	9	10	Nor.	Chil. Nit. Sales Corp.	Newp't News, Va.	Tocopilla, Chile.	Ballast	
Athelviscount [1] [2]	9	10	Brit.	Comp. Fran. Raffinge	Albany, N.Y.	Talara, Peru	Ballast	
Primero [2]	9	10	Nor.	Ivarans Rederi	Jacksonville, Fla.	Osaka, Japan	Scrap iron	7,200
American Oriole	10	10	Amer.	Gen. Chemical Co.	Grandeport, La.	Tacoma, Wash.	Sulphur	6,800
Spencer Kellogg [1]	10	10	Amer.	Kellogg S.S. Corp.	New York, N.Y.	S. Francisco, Cal.	([21])	1,256

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [13] Kerosene, gasoline. [14] Scrap iron, general. [15] Cotton, scrap rails. [16] Chartered by Navy. [17] Corn, pipe, general. [18] Cotton, rosin, general. [19] And return to Cristobal. [20] Itaca Comp. Arg. Para La. [21] Cottonseed oil.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Bethore	10	10	Amer.	Ore S.S. Corp	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Andrea F. Luckenbach.	10	10	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,621
Ardenvohr [2]	10	10	Brit.	Trinder, Anderson Co.	Tampico, Mex.	Fremantle, Aus'lia	General	5,267
Elisha Walker [1]	10	10	Amer.	Standard Ship. Co	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Republic [8]	10	12	Amer.	U.S. Army	Brooklyn, N.Y.	Honolulu, T.H.	General	1,392
Raleigh [5]	10		Pan.	Colon Cycle Co	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Istmo	3	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	210
Pennsylvania	11	11	Amer.	Panama-Pacific Line	New York, N.Y.	S. Francisco, Cal.	General	2,410
President Johnson.	11	11	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	3,441
Peter Hurll [1] [2]	11	11	Danz.	W. Tanskchiff Rhed'i.	New York, N.Y.	Talara, Peru	Ballast	
Hokkai Maru [2]	11	11	Jap.	Osaka Shosen Kaisha.	Boston, Mass.	Moji, Japan	Gen., oil	6,739
Laganbank [2]	11	11	Brit.	Andrew Weir & Co.	Boston, Mass.	Shanghai, China	General	2,075
Wisconsin	11	11	Fr.	French Line	Havre, France	Vancouver, B.C.	([11])	5,589
Pirate [3]	11		Pan.	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z. [15]	Bananas	
Valparaiso	11	12	Chile.	Co. Chile. Nav. Inter.	New York, N.Y.	Valparaiso, Chile.	([16])	4,808
Deroche [1]	11	12	Amer.	Union Oil Co	Baltimore, Md.	Los Angeles, Cal.	Ballast	
H. S. Albert, No. 2. [13]	11	12	Brit.	George Gough	Belize, Br. Hond.	S.Juan del Sur, Nic	Ballast	
Sunoil [1] [2]	12	12	Amer.	Sun Oil Co	Chester, Pa.	Los Angeles, Cal.	Ballast	
Dagfred [2]	12	12	Nor.	J. P. Pedersen & Son	London, Eng.	Los Angeles, Cal.	Ballast	
Quarrington Court	12	12	Brit.	Canadian Transp. Co.	Sunderland, Eng.	Vancouver, B.C.	Ballast	
Kentuckian	12	12	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,071
Santa Teresa	12	12	Amer.	Grace Line	New York, N.Y.	Talcahuano, Chile	General	3,548
Axel Johnson [2]	12	13	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B.C.	Paper, cem'nt	4,105
Anglo Canadian [2]	13	13	Brit.	Lawther, Latta & Co.	S. Shields, Eng.	Los Angeles, Cal.	Ballast	
Marore	13	13	Amer.	Ore S.S. Corp	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Dorothy Cahill	11	13	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	3,543
President Herrenschmidt. [1] [2]	13	13	Nor.	Pechelbronn	Pt. de Bouc., Fr.	Talara, Peru	Ballast	
Camito	13		Brit.	Elders & Fyffes, Ltd.	Swansea, Eng.	Balboa, C.Z. [17]		
Pacific Pioneer [2]	13	13	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B.C.	General	848
Robin Hood	13	13	Amer.	Luckenbach Gulf Co.	New Orleans, La.	Seattle, Wash.	General	5,325
Santa Monica [2]	1	14	Amer.	Panama Mail Line	Cristobal, C.Z.	S. Francisco, Cal.	General	1,055
Cerigo	10	14	Ger.	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil, Ecuad	General	1,303
Sidney M. Hauptman.	13		Amer.	McCormick S.S. Co.	Norfolk, Va.	Tacoma, Wash.	Gen., steel	2,888
Roland	12	14	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	2,210
Steel Trader	14	14	Amer.	Isthmian S.S. Lines	Portland, Me.	Tacoma, Wash.	Gen., steel	5,618
Athelchief [1] [2]	14	14	Brit.	Stand. Vacuum Tr'sp.	Aruba, D.W.I.	Shanghai, China	Fuel oil	10,150
J-26 [5]			Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	
Drechtdijk [2]	14	15	Neth.	N. Pac. Coast Line	Rotterdam, Neth.	Vancouver, B.C.	General	1,259
Ortolan [10]		15	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	
Calgarolite [1] [2]	14	15	Brit.	Imperial Oil Co	Montreal, Can.	Talara, Peru	Ballast	
Willmoto [2]	14	15	Amer.	Williams S.S. Line	Albany, N.Y.	Portland, Oreg.	Coal, gen.	3,320
Gulfcrest [1] [2]	15	15	Amer.	Gulf Refining Co	New York, N.Y.	Los Angeles, Cal.	Ballast	
Hawaiian	15	15	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	1,955
Democracy	15	15	Amer.	Nelson Line	New York, N.Y.	Seattle, Wash.	General	6,203
San Marcos	14	16	Amer.	Quaker Line	Norfolk, Va.	Seattle, Wash.	([18])	3,300
El Oso [1]	15	15	Brit.	C. T. Bowring & Co.	Ellesmere Pt., Eng	La Libertad, Ecu.	Ballast	
Pirate [3]			Pan.	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z. [15]	Bananas	

PACIFIC TO ATLANTIC

Julia Luckenbach.	16	16	Amer.	Luckenbach Line	Seattle, Wash.	New York, N.Y.	([19])	5,957
Oakland [2]	16	16	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	7,189
Granville [2]	15	17	Pan.	Fred Olsen & Co	Vancouver, B.C.	Oslo, Norway	([20])	8,153
S. C. T. Dodd [1]	16	16	Amer.	James B. Berry & Sons	Los Angeles, Cal.	Tiverton, R.I.	([21])	10,162
Trodanger [2]	16	16	Nor.	Interocean Line	Vancouver, B.C.	Rotterdam, Neth.	Grain, gen.	8,022
Port Chalmers [2]	16	17	Brit.	Com'lth & Dom. Line.	N. Plymouth, N.Z.	London, Eng.	([22])	8,035
Empire Arrow [1]	16	16	Amer.	Socony Vacuum	S. Francisco, Cal.	New York, N.Y.	Furnace oil	12,956
Levernbank [2]	16	17	Brit.	Andrew Weir & Co.	Manila, P.I.	New York, N.Y.	Raw sugar	8,500
Pomona	16	16	Amer.	Weyerhauser S.S. Co.	Seattle, Wash.	Baltimore, Md.	([23])	10,001
Knut Hamsun	16	16	Nor.	Chilean Nitrate Sales	Iquique, Chile	Charleston, S.C.	Nitrate soda	8,500
Ryoyo Maru [2]	16	17	Jap.	Kawasaki K. Kaisha.	Manila, P.I.	Baltimore, Md.	General	7,232
D. G. Scofield [1]	16	17	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel	10,850
Bradburn	16	17	Brit.	Sir W.R. Smith & Sons	Victoria, B.C.	Cardiff, Wales	Wheat, gen.	7,911
Athelregent [1] [2]	17	17	Brit.	H. Drewery	La Libertad, Ecu.	Le Havre, France	Crude oil	13,565
Mobile City	17	17	Amer.	Isthmian S.S. Lines	Port Allen, T.H.	New Orleans, La.	([24])	8,768
San Gil	17	17	Pan.	United Fruit Co	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	841
Point Palmas	17	17	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	6,448
Pacific Ranger [2]	17	17	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Glasgow, Scot.	General	7,658
Sunoil [1] [2]	17	17	Amer.	Sun Oil Co	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,591

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [8] Transport. [10] Mine sweeper. [13] Motor sloop. [14] Spirits, silversand, general. [15] And return to Cristobal. [16] Machinery, autos, sugar. [17] For drydocking. [18] Coal, lubricating oil, general. [19] Flour, beans, general. [20] Grain, general, oil. [21] Kerosene, fuel oil. [22] Refrigerated, general. [23] Lumber, wood pulp, general. [24] Sugar, pineapples.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
H. M. Storey [1]	17	17	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil	14,614
Erlangen	17	18	Ger.	Nordeutscher Lloyd	Talcahuano, Chile	Bremen, Ger.	General	8,591
Real [2]	17	18	Pan.	A. Valdes	Bayano Riv., R.P.	Cristobal, C.Z.	Bananas	43
Tuira [2]	17	18	Pan.	Elliot Ship. & Land Co	Darien, R.P.	Cristobal, C.Z.	Bananas	62
Floride	17	18	Fr.	French Line	Talcahuano, Chile	Havre, France	General	9,518
Garonne [1 2]	17	18	Nor.	Fearnley & Eger	Los Angeles, Cal.	Hamburg, Ger.	Gasoline	9,979
San Simeon	17	18	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Gen., lumber	5,980
Oakworth [2]	17	18	Brit.	Canadian Transp. Co.	Vancouver, B.C.	London, Eng.	Lumber, gen.	7,679
Parthenia	17	18	Brit.	Donaldson Line	Vancouver, B.C.	Glasgow, Scot.	General	5,498
Santa Maria [2]	18	18	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	3,831
Nebraskan	17	18	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	6,510
Simonburn	18	18	Brit.	Common Brothers	Portland, Oreg.	Cobh, Ireland [17]	Wheat	8,200
Calgarolite [1 2]	18	19	Brit.	Imperial Oil Co.	Cabo Bl'co, Peru.	Montreal, Can.	Crude oil	16,679
Fordefjord [2]	18	19	Nor.	Chilean Nitrate Sales.	Tocopilla, Chile.	Wilmington, N.C.	Nitrates	7,875
Atlantic City	19	19	Brit.	East Asiatic Co.	Dairen, China	Cobh, Ireland [17]	Soy beans	8,900
Texmar	19	19	Amer.	Calmar S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	6,483
San Antonio	19	20	Fr.	French Line	Vancouver, B.C.	Havre, France	General	6,440
Harvester [4]	19	20	Amer.	The Texas Co.	Los Angeles, Cal.	Norfolk, Va.	Gasoline	8,147
Harperley	20	20	Brit.	J. & C. Harrison	Vancouver, B.C.	Hull, England	Lumber, gen.	7,613
Real [2]	...	22	Pan.	Elliot Ship. & Land Co	Balboa, C.Z.	Cristobal, C.Z.	Dynamite	14
Deroche [1]	20	20	Amer.	Union Oil Co.	Los Angeles, Cal.	Tiverton, R.I.	Gasoline	9,250
Santa Monica [2]	19	21	Amer.	Grace Line	S. Francisco, Cal.	Cristobal, C.Z.	General	1,145
Edda	20	20	Italy	Nav. Lib. Triestina	Seattle, Wash.	Hamburg, Ger.	Frozen, gen.	3,637
Santa Teresa	20	21	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	General	1,906
Sona [2]	20	21	Pan.	Narciso Pinel	Panama R.P.	Cristobal, C.Z.	Bananas	44
Libertador [2]	20	21	Pan.	Narciso Pinel	Panama R.P.	Cristobal, C.Z.	Bananas	45
E. J. Bullock [4]	20	21	Amer.	Standard Ship Co.	Los Angeles, Cal.	Chelsea, Mass.	Fuel oil	10,414
Karlsruhe [1 2]	20	21	Ger.	German Navy	Tacoma, Wash.	S. Barbara, Haiti.		6,490
Susan V. Luckenbach.	20	21	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	5,275
Ortolan No. 45 [4]	19	...	Amer.	U.S. Navy	San Diego, Calif.	Cristobal, C.Z.		
Middlesex	20	22	Brit.	Federal Steam Nav. Co	Wellington, N.Z.	London, Eng.	General	5,536
Manizales	21	25	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	Coffee, gen.	854
Boggs No. 136 [9]	19	...	Amer.	U.S. Navy	San Diego, Calif.	Cristobal, C.Z.		
Bethore	21	22	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,000
Franz Klasen [1 2]	16	22	Danz.	W. Tankschiff Rhed'i	Talara, Peru.	Rotterdam, Neth.	([18])	16,425
American	21	22	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	4,295
Boskoop	21	23	Neth.	Royal Neth. S.S. Co.	Corral, Chile	Hamburg, Ger.	General	8,249
Mary Ann [1 3]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
San Lorenzo [2]	22	25	Pan.	J. H. Carbon	Bayano, R.P.	Cristobal, C.Z.	Bananas	33
West Cactus	22	22	Amer.	McCormick S.S. Co.	Powell Riv., Wash	Baltimore, Md.	Lumber, gen.	7,266
Doric Star	22	22	Brit.	Blue Star Line	Gisborne, N.Z.	London, Eng.	Frozen, gen.	7,420
Mojave [1]	22	22	Amer.	General Pet. Corp.	S. Francisco, Cal	New York, N.Y.	Furnace oil	10,074
Motor Sailer [5]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
Lexington [1 4]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Milwaukee [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Omaha [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
West Virginia [1 5]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Cincinnati [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Texas [1 5]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Concord [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Marblehead [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Bass B-2 [7]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Nautilus N-2 [7]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Raleigh [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Nevada [1 5]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
S-10 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
S-11 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
S-13 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
S-14 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
S-16 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
S-17 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
S-48 [7]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.		
Maryland [1 5]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Salt Lake City [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Houston [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Portland [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Chicago [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Indianapolis [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Northampton [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Pensacola [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Louisville [1 2]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 342 [9]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 343 [9]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 159 [9]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 248 [9]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Bushnell [1 6]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 143 [9]	21	...	Amer.	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [7] Submarine. [9] Destroyer. [1 2] Cruiser. [1 3] Crane. [1 4] Airplane carrier. [1 5] Battleship. [1 6] Sub-tender. [1 7] For orders. [1 8] Gasoline, gas oil.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
No. 243[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal..	Guantan'o, Cuba.		
No. 250[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 236[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 144[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 142[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 234[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal..	Guantan'o, Cuba.		
No. 145[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Holland[17]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Salinas[5]	17	...	Amer..	U.S. Navy	Los Angeles, Cal.	Cristobal, C.Z...	([21])	12,610
Rail[10]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Chester[13]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Bonita B-3[7]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Dolphin D-1[7]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Cuyama[1]	21	27	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Robin[4]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Neches[1]	21	27	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Tern[4]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Whitney[17]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Vestal[17]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Sandpiper[10]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Bridge[18]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Avocet[10]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Wright[17]	21	...	Amer..	U.S. Navy	Los Angeles, Cal..	Guantan'o, Cuba.		
Relief[19]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Langley[14]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Argonne[16]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 244[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 233[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 160[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 241[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
Saratoga[14]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba.		
No. 214[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 187[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 341[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 158[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
Detroit[12]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
Tennessee[15]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
Lapwing[4]	...	...	Amer..	U.S. Navy	Balboa, C.Z.....	Cristobal, C.Z...		
Memphis[12]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
Colorado[15]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 208[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 209[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 220[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 221[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 206[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 207[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 338[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 340[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
California[15]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 223[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 229[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 157[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 249[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
Pennsylvania[15]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 344[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 345[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 131[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 134[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 114[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 115[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 116[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 132[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 113[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 118[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
New York[15]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 146[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 147[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
Medusa[20]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
Teal No. 23[4]	...	...	Amer..	U.S. Navy	Balboa, C.Z.....	Cristobal, C.Z...		
No. 337[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 339[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 199[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 336[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
Melville[17]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 117[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
No. 133[9]	21	...	Amer..	U.S. Navy	Los Angeles, Cal.	Guantan'o, Cuba		
Exeter[13]	24	25	Brit...	British Navy	Callao, Peru.....	Kingston, Jam'ca		9,300
Tamaroa	22	25	Brit...	Shaw, Savill & Albion	Wellington, N.Z..	London, Eng....	General.....	4,560

[1] Tanker. [4] Tug. [7] Submarine. [9] Destroyer. [10] Mine sweeper. [13] Cruiser. [14] Airplane carrier. [15] Battleship. [16] Sub-tender. [17] Tender. [18] Supply ship. [19] Hospital ship. [20] Repair ship. [21] Gasoline, fuel oil.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Santa Lucia	23	25	Amer.	Grace Line	Seattle, Wash.	Philadelphia, Pa.	Coffee, gen.	3,454
San Blas	24	25	Pan.	United Fruit Co.	Guayaquil, Ecuad	Mobile, Ala.	Bananas	1,000
Texas Shipper	24	25	Amer.	Grace Line	Ant'fagasta, Chile	Philadelphia, Pa.	Nitrate	3,800
Hakonesan Maru [2]	22	25	Jap.	Mitsui Bussan Kaisha	Guiwanon, P.I.	New York, N.Y.	Sugar, gen.	6,930
Real [2]	...	...	Pan.	Elliot Ship. & Land Co.	Balboa, C.Z.	Cristobal, C.Z.	([13])	.....
Tai Yang [2]	23	26	Nor.	Barber Wilhelmsen	Davao, P.I.	Boston, Mass.	Sugar, gen.	7,114
Greylock	23	26	Amer.	Luckenbach Line	Seattle, Wash.	New Orleans, La.	General	7,824
Sacramento Valley	24	26	Brit.	Reardon Smith Line	Iloilo, P.I.	E. coast U.S. [14]	Raw sugar	7,613
Tilsington Court	24	26	Brit.	Haldin Phillips Co.	Vancouver, B.C.	Immingham, Eng.	Grain, timber	9,500
Dusan Silni	24	26	J-Slav.	Jugoslavenski Lloyd	Iquique, Chile	Azores [14]	Nitrate	8,100
Allende	24	26	Brit.	Morel, Ltd	Manila, P.I.	E. coast U.S. [14]	Sugar	8,500
Glasgow Maru	24	26	Jap.	Kokusai Kisen Kaisha	Manila, P.I.	E. coast, U.S. [14]	Sugar	8,044
Agira	25	26	Ger.	North German Lloyd	Puntarenas, C.R.	Hamburg, Ger.	([15])	1,348
Virginian	25	26	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,383
Alamar	25	26	Amer.	Calmar S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	5,714
Beaconhill [2]	23	26	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Fall River, Mass.	Kerosene	10,036
T. J. Williams [2]	23	26	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil "C"	12,056
Santa Inez [2]	25	26	Amer.	Grace Line	Talcahuano, Chile	New York, N.Y.	General	4,693
William Rockefeller. [1]	23	26	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	21,656
Lochkatrine [2]	25	26	Brit.	Royal Mail Lines	Vancouver, B.C.	Rotterdam, Neth.	General	8,977
Barbara Cates	25	26	Amer.	Sudden & Christenson	Los Angeles, Cal.	Baltimore, Md.	Lumber, gen.	6,371
Marore	25	26	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,000
Gulfcrest [1] [2]	26	26	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	14,288
Coptic [2]	25	26	Brit.	Shaw, Savill & Albion	Napier, N.Z.	London, Eng.	General	8,204
Atago Maru [2]	24	26	Japan.	Nippon Yusen Kaisha	Manila, P.I.	New York, N.Y.	General	9,274
K. I. Luckenbach	26	26	Amer.	Luckenbach Line	Los Angeles, Cal.	Boston, Mass.	General	5,082
Innerton	25	26	Brit.	Pac. Cont'l Grain Co.	Seattle, Wash.	Pt. Royal, Jam'ca	Wheat	7,400
Brimanger [2]	26	27	Nor.	Interocean S.S. Corp.	Los Angeles, Cal.	Havre, France	General	6,943
Vancouver	27	27	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	7,969
Wind Rush	26	27	Amer.	Shepard S.S. Co.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,400
Gen. Wm. M. Graham. [11]	...	...	Amer.	U.S. Army	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
California Express. [2]	27	27	Nor.	Fruit Express Line	Los Angeles, Cal.	Glasgow, Scot.	([16])	1,720
Chateau Thierry [8]	26	28	Amer.	U.S. Army	Honolulu, T.H.	New York, N.Y.	Army stores.	149
Willsolo	27	27	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	Albany, N.Y.	Lumber, gen.	4,838
Pasajero [2]	27	1	Hond.	F. Beltran	Corinto, Nic'gua.	Trujillo, Hond.	Salt	50
West Ira	26	28	Amer.	McCormick S.S. Co.	Seattle, Wash.	Buenos Aires, Arg.	Gen., lumber	3,401
California	27	28	Ital.	Nav. Libera-Triestina	Vancouver, B.C.	Genoa, Italy	Wheat, gen.	8,363
Tilthorn	27	27	Nor.	Chilean Nitrate Corp.	Tocopilla, Chile.	Savannah, Ga.	Nitrate	10,200
Warlaby	27	28	Brit.	Messers Strauss.	Portland, Oreg.	Cobh, Ireland [14]	Wheat	8,030
Marguerite Finaly. [1] [2]	27	28	Fr.	Standard Ship. Co.	Talara, Peru	Le Havre, France	Crude oil	17,470
Point Bonita	27	28	Amer.	Swayne & Hoyt	Portland, Oreg.	Lake Charles, La.	Lumber, gen.	4,140
Acajutla	27	...	Brit.	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z.	Coffee, gen.	727
Flint No. 2	27	28	Nor.	Chilean Nitrate Corp.	Tocopilla, Chile.	Norfolk, Va.	Nitrate	7,900
San Quirino [1]	27	28	Brit.	Eagle Oil & Ship. Co.	LaLibertad, Ecua.	Terdonok, Belg.	Crude oil	7,655
W. H. Libby [1]	28	28	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Portland, Oreg.	Fuel oil	12,175
Gulfwax [1]	28	28	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	13,733
Atlantic	27	28	Amer.	Argonaut S.S. Line	Seattle, Wash.	New York, N.Y.	Lumber, gen.	7,730
Induna	28	28	Brit.	Inter. Freighting Corp	Tocopilla, Chile.	Wilmington, N.C.	Nitrate	7,730
President Lincoln.	29	29	Amer.	Dollar Line	S. Francisco, Cal.	New York, N.Y.	General	5,698
Salinas [1]	28	3	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	Fuel oil	8,078
Durazzo	29	1	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	General	985
Helga	29	29	Dan.	J. Lauritzen	Valparaiso, Chile.	Havre, France	Fruit	862
Montanan	29	29	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,866
Steelore	29	29	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	New York, N.Y.	Iron ore	21,700
San Bernardino	29	29	Amer.	States S.S. Co.	Portland, Oreg.	Philadelphia, Pa.	Gen., lumber	7,017
Elg [2]	29	29	Nor.	Canadian Transp. Co.	Vancouver, B.C.	Dublin, Ireland	([17])	7,200
Thalia [2] [6]	27	30	Amer.	Tams, Inc.	Cocos Islands	Miami, Fla.	Ballast	.....
Sultan Star	29	30	Brit.	Blue Star Line	Auckland, N.Z.	London, England	Frozen, gen.	6,630
Istmo	29	3	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	611
F. W. Abrams [2]	29	30	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	12,782
Karamea [2]	29	30	Brit.	Shaw, Savill & Albion	Wellington, N.Z.	Hamburg, Ger.	Frozen, gen.	5,679
Tokai Maru [2]	30	30	Jap.	Osaka Shosen Kaisha	Iloilo, P.I.	Baltimore, Md.	Sugar, gen.	8,095
Mabriton	30	30	Brit.	Lautaro Nitrate Co.	Ant'fagasta, Chile	Alexandria, Egypt	Nitrate	10,380
Bonnington Court	30	30	Brit.	Canadian Transp. Co.	Vancouver, B.C.	Montreal, Can.	Lumber, gen.	7,297
San Salvador [1]	30	30	Brit.	Eagle Oil & Ship. Co.	Los Angeles, Cal.	Curacao, D.W.I.	Gas oil	8,409
Nordhval [2]	30	1	Dan.	Comyn & Sons	Vancouver, B.C.	Dunkerque, Fr.	Zinc, lumber	7,500
Beacon Oil [1]	30	1	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Baltimore, Md.	Gasoline	8,439
Gen. M. H. Sherman.	30	1	Amer.	Matson Nav. Co.	S. Francisco, Cal.	New Orleans, La.	Raw sugar	8,398
Sambu [5]	1	3	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	18
Tuira [2]	1	2	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	53
Santa Monica [2]	30	...	Amer.	Grace Line	Acajutla, Sal'dor.	Cristobal, C.Z.	Coffee, gen.	686
Forbes Hauptman	1	1	Amer.	McCormick S.S. Co.	Seattle, Wash.	Albany, N.Y.	Lumber, gen.	5,760
Harry Luckenbach.	1	1	Amer.	Luckenbach Line	Seattle, Wash.	New York, N.Y.	Lumber, gen.	6,993

[1] Tanker. [2] Motor ship. [5] Launch. [6] Yacht. [8] Transport. [11] Mine planter. [13] Chartered by Navy. [14] For orders. [15] Coffee, hides, general. [16] Oranges, grapefruit. [17] Lumber, wheat, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Point Clear	1	1	Amer.	Swayne & Hoyt	Los Angeles, Cal.	Tampa, Fla.	General	5,964
Wyoming	1	2	Fr.	French Line	Vancouver, B.C.	Le Havre, France	General	7,729
Pacific Grove [2]	1	1	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Manchester, Eng.	General	8,450
Benjamin Franklin. [2]	1	2	Nor.	Fred Olsen & Co.	Seattle, Wash.	Oslo, Norway	Grain, gen.	7,400
Panaman	2	2	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	6,767
Nordbo [2]	2	2	Dan.	Anglo-Can. Ship. Co.	Aberdeen, Wash.	Hull, England	Wheat, lum'r	7,386
Santa Barbara [2]	2	3	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	4,272
Montgomery City	2	3	Amer.	Isthmian S.S. Lines	Seattle, Wash.	Swansea, Wales.	Grain, gen.	7,206
Nuevo Panama [2]	2	4	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	218
Chilore	3	3	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,650
R. L. Hague [1] [2]	3	3	Ital.	British-Mex. Pet. Co.	Talara, Peru	South'mton, Eng.	Crude oil	16,519
Margaret Johnson. [2]	3	3	Swed.	Johnson Line	Vancouver, B.C.	Stockholm, Swed.	General	5,770
A. C. Bedford [1]	2	3	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil	15,172
Harold Walker [1]	3	3	Amer.	Station Ship. Co.	Los Angeles, Cal.	Jacksonville, Fla.	Fuel oil	10,000
Rangitane [2]	3	3	Brit.	N.Z. Shipping Co.	Napier, N.Z.	London, Eng.	Frozen, gen.	6,126
Canadian Challenger.	3	4	Brit.	Can. Nat. Steamships.	Brisbane, Aus'lia.	Montreal, Can.	General	2,830
Tosca [2]	3	4	Nor.	Knut Knutsen	San Antonio, Chile	Oslo, Norway	General	6,000
Carperby	3	4	Brit.	Ropner S.S. Co.	Mambaguid, P.I.	New Orleans, La.	Sugar	7,800
Silveray [2]	3	4	Brit.	Kerr S.S. Co.	Manila, P.I.	Cape Hatteras [14]	General	7,571
Arctic	3	5	Amer.	U.S. Navy	San Diego, Cal.	Guantan'o, Cuba	Navy stores.	3,607
Portmar	3	4	Amer.	Calmar S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	6,344
Cumberland	4	4	Brit.	Federal Steam Nav. Co.	Lyttleton, N.Z.	Glasgow, Scot.	General	7,135
Cali	4	6	Ger.	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	955
Malay [1]	4	4	Amer.	U.S. Navy	Los Angeles, Cal.	Norfolk, Va.	Crude oil	11,462
Florence R. [5]	.....	.....	Amer.	R. R. Ross	Balboa, C.Z.	Gatun Lake, C.Z.	Ballast	.....
Lionel [2]	4	5	Nor.	Fern Line	Iloilo, P.I.	East coast U.S.	Sugar	8,500
Trontolite [1] [2]	5	5	Brit.	Imperial Oil Co.	Talara, Peru	Halifax, N.S.	Gasoline	7,323
Colon [2]	5	6	Pan.	N. Pinel	Panama, R.P.	Cristobal, C.Z.	Bananas	38
San Lorenzo [2]	5	6	Pan.	N. Pinel	Panama, R.P.	Cristobal, C.Z.	Bananas	20
Manatawny [1]	5	5	Amer.	Reilly Tar & Chem. Co.	S. Francisco, Cal.	New York, N.Y.	Fuel oil	7,911
Feodosia	5	7	Ger.	Hamburg-Amer. Line.	Mazatlan, Mex.	Hamburg, Ger.	Coffee, gen.	2,462
Gulfpenn [1]	5	5	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	13,498
Santa Cecilia	5	7	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	General	2,798
Harpathian	5	6	Brit.	T. & C. Harrison, Ltd.	Tocopilla, Chile.	Azores [14]	Nitrate	7,804
Olovsborg	5	6	Fin.	Anglo-Can. Ship. Co.	Chemainus, B.C.	Liverpool, Eng.	Wheat, lum'r	7,400
Orbita	6	7	Brit.	Pacific Steam Nav. Co	Talcahuano, Chile	Liverpool, Eng.	General	6,723
Lillian Luckenbach.	5	6	Amer.	Luckenbach Line	Tacoma, Wash.	Boston, Mass.	General	4,068
John Bakke [2]	5	6	Nor.	Den. Skandinaviske Syd. Pac. Line	Tocopilla, Chile.	Goth'burg, Swed.	General	7,531
Mercury Sun [1] [2]	6	6	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,649
Texan	6	6	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	6,100
Lisbon Maru	6	7	Jap.	Nippon Yusen Kaisha	Iloilo, P.I.	New York, N.Y.	General	9,390
L. A. Christenson. [2]	6	7	Nor.	East Asiatic Co.	Vlad'k, U.S.S.R.	Cobh, Ireland	Soy beans	7,248
Siljestad [2]	6	6	Nor.	Fern Line	Iloilo, P.I.	Key West, Fla. [14]	Sugar	7,500
Empress of Britain.	5	7	Brit.	Can. Pacific S.S., Ltd.	New York, N.Y. [13]	New York, N.Y.	Passengers	.....
Amerika [2]	6	7	Dan.	East Asiatic Co.	Vancouver, B.C.	Copenhagen, Den	General	8,856
San Silvestre [1]	6	7	Brit.	Eagle Oil & Ship. Co.	Los Angeles, Cal.	Lizard, Eng. [14]	Gasoline	8,457
Camden [1]	7	7	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	9,945
Niel Maersk [2]	7	7	Dan.	A. P. Moller	Cebu, P.I.	New York, N.Y.	General	7,743
Delftdijk [2]	7	8	Neth.	Holland-Amer. Line	Victoria, B.C.	Rotterdam, Neth.	Grain, gen.	9,898
Ansgir	7	8	Ger.	North German Lloyd	Corral, Chile	Bremen, Ger.	General	8,406
Devon City [2]	7	8	Brit.	Reardon Smith Line.	Vancouver, B.C.	London, Eng.	General	8,426
Anglo Peruvian	7	8	Brit.	Anglo-Canadian Co.	Vancouver, B.C.	London, Eng.	Lum'r, grain	9,375
Hugoton [1]	7	7	Amer.	U.S. Navy	Los Angeles, Cal.	Norfolk, Va.	Fuel oil	10,370
Santa Paula	7	8	Amer.	Grace Line	Seattle, Wash.	New York, N.Y.	General	2,498
Ludington	6	8	Amer.	U.S. Army	Honolulu, T.H.	Brooklyn, N.Y.	Supplies	535
California	7	8	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	5,026
Brilliant [1] [2]	7	8	Amer.	Stand. Vacuum Tr'sp.	Los Angeles, Cal.	New York, N.Y.	Gasoline	13,103
Santa Isabel	8	9	Amer.	Grace Line	Talcahuano, Chile	New York, N.Y.	General	4,228
Tuira [2]	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	52
Orazio [2]	8	9	Ital.	Italia-America S. C.	Valparaiso, Chile.	Genoa, Italy	General	3,289
Robin Adair	7	8	Amer.	Luckenbach Line	Seattle, Wash.	Mobile, Ala.	General	5,200
Canadian Constructor.	8	9	Brit.	Can. Nat. Steamships	Auckland, N.Z.	Montreal, Can.	General	3,242
Iris	8	9	Neth.	Royal Neth. S.S. Co.	Guayaquil, Ecuad	Cristobal, C.Z.	([15])	958
Seattle	8	9	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	7,501
North Cornwall	8	9	Brit.	S.S. Owners Oper. Co.	Mazatlan, Mex.	Gijon, Spain	([16])	5,921
Edgar F. Luckenbach.	9	9	Amer.	Luckenbach Line	Seattle, Wash.	New Orleans, La.	Sugar	10,485
Kota Inten [2]	9	9	Neth.	Pac.-Java-Bengal Line	Calcutta, India [13]	Calcutta, India	Lumber, gen.	6,274
Alaskan	9	9	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Gen., lum'r.	7,783
Svealand [2]	9	10	Swed.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Charles G. Black [1]	9	10	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	20,947

[1] Tanker. [2] Motor ship. [5] Launch. [13] Round the world. [14] For orders. [15] Cocoa, ivory nuts. [16] Garbanzos, machinery.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Chisone [2]	9	10	Ital...	Soc. Commercial Nav.	Iloilo, P.I.	E. coast U.S. [14]	Sugar	8,300
Eleanor Christenson.	10	10	Amer..	Sudden & Christenson	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	6,891
Canada [2]	10	10	Swed..	Johnson Line	Vancouver, B.C.	Goth'burg, Swed.	([15])	7,462
Chickasaw City	10	10	Amer..	Isthmian S.S. Lines	Portland, Oreg.	Baltimore, Md.	([16])	8,325
Romsdalshorn	10	10	Nor...	Inter'l Freighting Co.	Tocopilla, Chile	Charleston, S.C.	Nitrate	10,200
Bradfyne	10	10	Brit...	Sir W. R. Smith Sons.	Iloilo, P.I.	E. coast U.S. [14]	Sugar	8,000
Losmar	10	10	Amer..	Calmar Line	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	4,646
Belfast Maru	10	10	Jap...	Kawasaki K. Kaisha	Mangarin, P.I.	Houston, Tex.	General	7,284
Cerigo	10	14	Ger...	Hamburg-Amer. Line.	Callao, Peru	Cristobal, C.Z.	General	954
Papoose [1]	10	10	Amer..	G. H. Corse & Co.	S. Francisco, Cal.	Houston, Tex.	Ballast	.....
Fernbank [2]	10	10	Nor...	Fern Line	Manila, P.I.	Cape Hatteras [14]	Sugar	7,500
Halsey [1]	10	11	Amer..	Shell Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Kerosene	10,149
Augvald	11	11	Nor...	Franklin Baker Co.	Cebu, P.I.	New York, N.Y.	Copra	6,609
Nuevo Panama [2]	11	...	Pan...	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	218
Lena Luckenbach	11	11	Amer..	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	3,792
Willhilo	11	11	Amer..	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	5,911
Soyo Maru [2]	11	13	Jap...	Kawasaki K. Kaisha	Iloilo, P.I.	Baltimore, Md.	General	6,951
Trematon	11	12	Brit...	Hain S.S. Co.	Iloilo, P.I.	New Orleans, La.	Sugar	7,000
Kurama Maru [2]	11	12	Japan.	Kokusai Kisen Kaisha	Manila, P.I.	Boston, Mass.	General	6,749
Salvador	11	...	Brit...	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z.	General	332
Kinai Maru [2]	12	13	Jap...	Osaka Shosen Kaisha.	Fusan, Korea	Baltimore, Md.	General	6,761
Jutland	12	12	Brit...	Glen & Co.	Vancouver, B.C.	London, Eng.	Wheat, gen.	9,165
Arica	12	13	Fr....	French Line	Coronel, Chile	Le Havre, France	General	7,196
Florence R. [5]	11	...	Amer..	R. R. Ross	Ped. Miguel, C.Z.	Balboa, C.Z.	Ballast	.....
President Taft	13	13	Amer..	Dollar Line	Manila, P.I.	New York, N.Y.	General	5,504
Exanthia	12	13	Amer..	Dutton Lumber Co.	Portland, Oreg.	Po'keepsie, N.Y.	Lumber	7,400
Trimountain [1]	12	13	Amer..	Shell Terminal Co.	Los Angeles, Cal.	Fall River, Mass.	Gasoline	8,326
Dean Emery [1]	12	13	Amer..	Standard Ship. Co.	Los Angeles, Cal.	Jacksonville, Fla.	Fuel oil	10,736
Surrey	13	13	Brit...	FederalSteamNav.Co.	Bluff, N.Z.	Glasgow, Scot.	Frozen, gen.	6,408
Heffron	13	13	Amer..	Pac. Coast Dir. Line	S. Francisco, Cal.	Norfolk, Va.	Lumber, gen.	10,418
Ardmore [1]	13	13	Amer..	U.S. Navy	Los Angeles, Cal.	Norfolk, Va.	Fuel oil	10,648
San Angelo	13	13	Amer..	Quaker Line	Longview, Wash.	Philadelphia, Pa.	Lumber, gen.	7,309
Henderson	12	15	Amer..	U.S. Navy	S. Francisco, Cal.	Norfolk, Va.	Navy stores.	459
Manizales	12	...	Ger...	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	Coffee, gen.	895
Mexican	14	14	Amer..	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	6,283
Chester Sun [1] [2]	14	14	Amer..	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,326
West Ivis	13	14	Amer..	McCormick S.S. Co.	Vancouver, B.C.	Buenos Aires, Arg.	Lumber, gen.	5,106
Constance Chandler.	14	15	Amer..	Matson Nav. Co.	Honolulu, T.H.	Philadelphia, Pa.	Sugar	7,900
Arkansas [13]	12	16	Amer..	U.S. Navy	San Diego, Calif.	H'pton Rds., Va.	.....	.....
Ville de Verdun	15	16	Fr....	Messageries Marit'es.	Noumea, N.Caled	Marseilles, Fr.	([17])	4,380
Real [2]	15	16	Pan...	Elliot Ship. & Land Co.	Panama, R.P.	Cristobal, C.Z.	Bananas	25
Tuira [2]	15	16	Pan...	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	55
Anniston City	14	15	Amer..	Isthmian S.S. Lines	Vancouver, B.C.	Swansea, Eng.	General	8,840
Pennmar	15	15	Amer..	Calmar Line	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	4,793
Volunteer	15	15	Amer..	Lykes Bros.-Ripley Co.	Hinigraran, P.I.	New Orleans, La.	Sugar, gen.	10,263
Point Salinas	15	15	Amer..	Swayne & Hoyt	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	6,126
Jersey City	15	15	Brit...	Reardon Smith & Sons	Iloilo, P.I.	East coast U.S.	Sugar	9,000
San Lorenzo [2]	15	16	Pan...	A. Valdes	Bayano, R.P.	Cristobal, C.Z.	Bananas	25
Stanford [2]	15	15	Nor...	J. B. Stang	Cebu, P.I.	New Orleans, La.	Sugar	8,965
Pacific Enterprise. [2]	15	15	Brit...	Furness, Withy & Co.	Vancouver, B.C.	Glasgow, Scot.	General	8,669
American Star	14	16	Amer..	Nelson S.S. Co.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	5,541
San Francisco	15	16	Fr....	French Line	Vancouver, B.C.	Le Havre, France	Lumber, gen.	6,852

[1] Tanker. [2] Motor ship. [5] Launch. [13] Battleship. [14] For orders. [15] Wheat, barley, fruit. [16] Sugar, pineapples. [17] Copra, coffee, general.

Information to be Furnished by Vessels Carrying Petroleum Products

The reports required by Regulation 88, B-4 of supplement No. 4, dated February 15, 1934, of the Rules and Regulations Governing Navigation of the Panama Canal, from vessels carrying petroleum products, have not been properly furnished in all cases. The information required by Regulation 88, B-4 is as important as that required by Regulation 171.1 and similarly, must be furnished in advance. If this is not done it will be necessary to hold the vessel concerned in the outer anchorage for a sufficient time for Canal authorities to make the required determinations, the incidental expenses and delay to be borne by the vessel.

Bills of Health for the Canal Zone

To steamship agents and others concerned:

1. The following extract from the circular from the Secretary of State to American diplomatic and consular officers, dated April 12, 1934, is quoted for the information of all concerned:

Bills of health for the Canal Zone. The quarantine laws and regulations of the United States are not in effect in the Panama Canal Zone, but special quarantine rules and regulations have been promulgated for that territory, by the President of the United States in Executive Order No. 4314, dated September 25, 1925. The execution of these rules and regulations is under the jurisdiction of the Governor of the Panama Canal, but members of the United States Public Health Service are detailed for the administration of the quarantine service of the Canal Zone.

Masters of vessels clearing from any foreign port or from any port in the possessions or other dependencies of the United States or touching at any of the said ports, for a port in the Canal Zone or for the ports of Panama or Colon, Republic of Panama, or for passage through the Panama Canal, but not proceeding to any port in the United States, are not required to obtain bills of health from American consular officers.

Masters of vessels clearing from ports of the United States for ports of the Canal Zone, for the ports of Panama or Colon, Republic of Panama, or for passing through the Panama Canal, must obtain a port sanitary statement signed by the officer authorized under the laws of the United States to issue such statements, and must present such statement to the Quarantine Officer of the Panama Canal.

2. Executive Order No. 4314, dated September 25, 1925, is contained in the pamphlet "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters." Under this authority the quarantine officers of The Panama Canal accept bills of health issued or signed by the competent local health authority in foreign ports.

J. F. SILER,
Chief Health Officer.

APPROVED:
J. L. SCHLEY,
Governor.

Notices to Mariners

Republic of Panama, location of Naranjas shoal. The U.S.S. *Hannibal*, April 17, 1934, reporting further on the location of Naranjas shoal, described in N.M. No. 296, April 18, 1934, states:

The center of the shoal bears 300° (true), 2,300 yards to the center and highest point of Naranjas Island. The shoal has a white rock botton, least depth of water of 9 feet at mean low water springs, and a depth of at least 14 fathoms on all sides of the shelf.

The shoal has an axis, 305° true; is 40 yards long and is 25 yards wide. Breakers mark the pinnacle only very occasionally at extreme low water. Position, latitude 7°16′22″ N., longitude 80°58′14″ W.

The nearby Naranjas Island is improperly charted on H.O. Chart No. 1018. Extremely dangerous to navigation.

Colombia, Cartagena Harbor, aids established and moved. The following notice to mariners was published by the Hydrographic Office in Washington on May 3, 1934:

Information has been received from the Frederick Snare Corporation, contracting engineers, that the following changes have been made in the aids of Cartagena Harbor—

(*a*) A steel cylindrical pontoon, painted red, has been moored on the 3-fathom shoal, in latitude 10°19′22″ N., longitude 75°31′37″ W.

(*b*) A steel cylindrical pontoon, painted black with a white band, has been moored on the southern extremity of Santa Cruz bank, in latitude 10°20′10″ N., longitude 75°30′49″ W.

(*c*) The red light buoy with flashing red light marking the western edge of Santa Cruz bank has been moved about 200 yards eastward and re-established in latitude 10°20′43″ N., longitude 75°30′55″ W.

(*d*) A light buoy with flashing white light is moored at Punta Arena, in latitude 10°21′30″ N., longitude 75°31′15″ W.

Supplement No. 25 to Departmental Tariff "G".—Coal and Wood

(Effective May 10, 1934)

Paragraph 2 of item 24 in supplement No. 10 to Departmental Tariff "G" is amended to read as follows:

2. The coal carried in stock is the quality Pool No. 1, U.S. Navy Standard, Pocohontas or New River run-of-mine, and can be supplied in any quantity desired for bunkers.

Paragraph 3 of item 24 in supplement No. 21 to Departmental Tariff "G" is annulled and the following substituted:

3. The prices of coal and the rates for services in connection with its delivery are as follows—

	Per ton of 2,240 pounds		
	Cristobal-Colon	Balboa	Panama line points
(*a*) Coal delivered from reloaders at coaling plant, without trimming—			
Run-of-mine	$7.75	$9.75	------
(*b*) Coal delivered in carload lots at terminals and line points—			
Run-of-mine	8.25	10.25	$10.25
(*c*) Coal delivered in less than carload lots from plants, cars or bins at terminals only—			
Run-of-mine	10.75	12.75	12.75
(*d*) For sacking lump coal for galley use, or other grades of coal, in addition to the basic price per ton—			
Labor, etc.	3.00	3.00	------
Sacks, when furnished by coaling plant	2.00	2.00	------
If delivery is made at points other than the coaling plant, an extra charge covering the cost of delivery will be made.			
(*e*) Coal delivered to employees of The Panama Canal or Panama Railroad Company and others entitled to employees' rental rates for quarters—			
In bins at quarters ..... per cwt. $0.75			

J. L. SCHLEY,
Governor, The Panama Canal,
President, Panama Railroad Company.

Changes in the Prices of Coal

In accordance with supplement No. 11 to Tariff No. 11, dated May 2, 1934, the prices for coal and rates for services in connection with its delivery at Canal ports are as follows, effective May 10, 1934:

	Per ton of 2,240 lbs.	
	Cristobal-Colon	Balboa
Coal delivered to vessels at coaling plants, trimmed in bunkers—		
Run-of-mine	$7.75	$10.75
Coal delivered to vessels by lighter from Cristobal coaling plant, trimmed in bunkers—		
Run-of-mine	8.25	------
A flat charge of $52.50 for lighterage on any quantity delivered will be made in addition to the basic price per ton.		
For sacking lump coal for galley use, or other grades of coal, in addition to the basic price per ton—		
Labor, etc.	3.00	3.00
Sacks, when furnished by coaling plant	2.00	2.00
If delivery is made at points other than the coaling plant, an extra charge covering the cost of delivery will be made.		

Coal

Coal, bunker, Navy Standard Pool No. 1, Pocahontas or New River, is supplied to steamships, including warships of all nations, trimmed in bunkers at $7.75 for run-of-mine at Cristobal, in any proportion desired, and $10.75 at Balboa for run-of-mine, per ton of 2,240 pounds.

Extra charges are made in accordance with a published tariff for special trimming at the request of the officers of the ship, for galley, lump or run-of-mine coal in sacks, and for delivery, when coal is furnished from lighters or launches away from the coaling piers.

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming.

Coal for cargo is sold under the same conditions and at prices quoted for sale of coal for bunkers.

Official Publications of Interest to Shipping

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Tolls Charges for Transit of the Panama Canal

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity as determined by the Panama Canal Rules of Measurement..... $1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity as determined by the Panama Canal Rules of Measurement..... .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1.20
5. Tolls may not exceed the equivalent of $1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of $0.75 per net registered ton so determined.
6. Vessels returning from Gatun Lake or original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa drydock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

Provisions Required by Ships

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at reasonable prices. Beef especially is available at low prices.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit.

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXVII. Balboa Heights, C.Z., June 15, 1934. No. 11.

Traffic Through the Panama Canal in May 1934

The total vessels of all kinds transiting the Canal during the month of May in the two preceding years and in 1934 are shown in the following tabulation:

	May 1932	May 1933	May 1934		
			Atlantic to Pacific	Pacific to Atlantic	Total
Commercial ocean vessels	357	372	242	248	490
Launches (under 20 tons net)	8	15	9	5	14
Noncommercial vessels:					
United States Government	25	28	23	13	36
Colombian Government	.....	.....	1	.....	1
For repairs	.....	.....	1	1	2
Total	390	415	276	267	543

COMMERCIAL TRAFFIC[1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected, from the commercial traffic transiting the Canal each month for the 12-month period ended May 31, 1934, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1932-33	1933-34	1932-33	1933-34	1932-33	1933-34	1932-33	1933-34
June	336	364	1,743,150	1,901,117	1,404,558	1,691,247	$1,534,793.19	$1,629,411.28
July	326	401	1,676,492	2,051,128	1,259,981	1,699,039	1,468,728.36	1,732,164.93
August	314	416	1,658,112	2,159,995	1,349,453	1,914,014	1,440,848.87	1,829,754.49
September	353	408	1,868,391	2,096,538	1,347,144	1,797,497	1,598,265.98	1,758,587.41
October	394	467	1,988,133	2,416,200	1,582,261	2,125,927	1,714,779.06	2,036,909.16
November	388	463	2,035,796	2,395,359	1,531,509	1,949,913	1,756,865.84	2,001,692.77
December	431	496	2,080,069	2,617,656	1,621,581	2,191,683	1,781,940.03	2,204,134.64
January	415	500	2,069,218	2,582,131	1,463,503	2,087,292	1,762,808.56	2,160,679.83
February	368	468	1,832,658	2,462,760	1,434,862	2,124,440	1,575,708.35	2,079,696.80
March	399	538	1,989,044	2,703,372	1,738,227	2,465,387	1,718,908.41	2,281,485.72
April	370	495	1,839,597	2,493,606	1,527,978	2,291,392	1,554,250.14	2,121,678.33
May	372	490	1,883,249	2,567,555	1,629,982	2,303,411	1,617,943.65	2,148,026.66
Total	4,466	5,506	22,663,909	28,447,417	17,891,039	24,641,242	19,525,840.44	23,984,222.02

[1] Commercial traffic includes all ocean-going vessels paying tolls. Naval and other vessels owned and operated in the Government service of the United States and Panama, war vessels of Colombia, and vessels transiting solely for repairs, are exempt from the payment of tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Traffic by Nationality of Vessels for May 1934

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	102	608,786	428,333	Netherland	8	43,267	31,924
Chilean	1	4,167	4,808	Norwegian	55	273,397	284,141
Danish	14	74,971	84,344	Panamanian	33	14,376	16,394
Danzig	4	30,814	31,589	Peruvian	1	1,587	1,669
Finnish	1	5,259	7,400	Swedish	10	47,555	72,347
French	8	46,055	50,819	United States	193	1,135,543	1,008,300
German	24	89,682	74,463	Venezuelan	2	2,162	2,072
Honduran	1	48	.....				
Italian	6	43,666	37,831	Total	490	2,567,555	2,303,411
Japanese	27	146,220	166,977				

Traffic by Trade Routes, May 1934

The movement of vessels over trade routes is summarized in the following table. They are classified according to primary origin and ultimate destination of the voyage through the Canal and the cargo listed is the total aboard at time of transit. Cargo may be laden or discharged between the terminal areas indicated, hence in the cargo listed below there may be some which had other origin or destination:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	72	436,795	166,351	71	423,808	558,839
East coast United States and:						
Canada	3	14,450	.....	1	4,094	4,358
Central America	.....	.....	.....	1	536	700
South America	15	73,301	17,161	12	59,778	146,276
Hawaiian Islands	1	5,241	6,323	4	19,912	33,097
Australasia	3	19,339	15,456	2	8,892	12,514
Philippine Islands	4	27,618	21,268	39	211,227	287,067
Far East	29	159,514	175,860	1	6,298	6,761
Europe and:						
United States	11	56,078	.....	6	25,033	41,391
Canada	27	155,231	42,713	34	199,149	263,548
Central America	1	4,973	5,471	2	6,833	8,383
South America	17	105,455	17,506	27	166,134	255,173
Australasia	7	60,419	11,951	7	70,025	42,538
Far East	2	9,326	14,952	2	8,601	15,071
East coast Canada and:						
South America	1	7,717	.....	2	12,397	24,342
Australasia	2	9,632	7,219	3	14,337	7,882
Central American intercoastal	2	99	.....	1	51	63
East coast Central America and:						
Balboa	1	536	.....	.....	.....	.....
South American intercoastal	2	6,523	11,717	1	1,587	1,669
East coast South America and:						
Canada	2	9,771	6,664	1	4,967	5,106
Balboa	.....	.....	.....	1	1,081	.....
Far East	1	5,821	4,104	.....	.....	.....
Cristobal and:						
United States	2	5,209	1,872	1	2,603	747
Central America	4	1,489	1,264	3	4,051	1,552
South America	10	5,911	4,721	10	5,568	6,533
Balboa	9	322	.....	11	366	427
West Indies and:						
United States	3	16,033	.....	1	5,408	11,226
Canada	1	4,114	7,000	1	2,207	4,350
Balboa	1	1,081	2,072	.....	.....	.....
Far East	1	5,635	10,150	.....	.....	.....
Around the world	2	19,809	5,729	1	5,974	6,274
Foreign vessels in ballast (U.S. intercoastal)	6	29,607	.....	.....	.....	.....
Vessels not engaged in commerce	.....	.....	.....	[1] 2	39,589	.....
Total	242	1,257,049	557,524	248	1,310,506	1,745,887

[1] Cruise vessels.

Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in May 1934, and its destination by major geographical trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	168,820	16,460	190,547	9,562	13,429	398,818
Other North America	632	13,531	10,596	14,424	9,246	48,429
Europe	29,617	12,327	14,952	19,244	11,951	88,091
Miscellaneous	8,081	210	1,861	12,034	.....	22,186
Total	207,150	42,528	217,956	55,264	34,626	557,524

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	550,279	16,194	136,798	4,805	708,076
Canada	2,666	5,191	163,964	2,932	174,753
Other North America	43,056	4,592	11,856	.....	59,504
South America	144,293	35,162	252,855	1,683	433,993
Australasia	15,562	4,834	42,538	.....	62,934
Asia	288,664	2,772	15,071	120	306,627
Total	1,044,520	68,745	623,082	9,540	1,745,887

Principal Commodities

Commodities which aggregated 10,000 or more tons either during May 1933 or 1934 are listed below:

Commodity	May		Commodity	May	
	1933	1934		1933	1934
Atlantic to Pacific	*Long tons*	*Long tons*	*Pacific to Atlantic*—Continued	*Long tons*	*Long tons*
Automobiles and parts	8,717	14,094	Coffee	12,336	15,238
Cement	6,175	11,439	Cold storage (food products)	16,614	27,208
Coal and coke	7,704	10,470	Copra	14,429	13,848
Cotton, raw	17,168	26,802	Flour	18,426	22,006
Manufactures of iron and steel	44,640	83,378	Fruit, dried	13,862	14,576
Oils, mineral	37,244	65,125	Fruit, fresh	20,078	24,917
Paper	14,954	22,747	Lumber	152,049	150,768
Phosphates	19,614	22,245	Metals	35,892	52,194
Scrap metal	61,016	68,524	Nitrates	23,795	67,485
Sugar	11,102	12,217	Oats	5,799	11,538
Sulphur	11,551	15,590	Oils, mineral	334,547	532,574
Textiles	6,301	11,510	Oil, coconut	3,601	13,245
Tinplate	10,727	21,102	Ores (principally iron)	7,105	135,557
			Soy beans	17,232	15,071
Pacific to Atlantic			Sugar	216,506	303,575
Barley	5,618	25,813	Wheat	116,206	101,167
Beans	11,682	7,025	Wood pulp	10,389	8,433
Canned goods, various	68,657	51,294	Wool	12,489	16,262

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of May 1934, as reported in the cargo declarations, showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise, but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Agricultural implements	478	37	4,948	40
Alfalfa meal	.....	671	.....	796
Ammonium compounds	165	.....	7,273	1,867
Animal foods [1]	44	977	55	983
Apparel, wearing (hats, shoes, clothing, etc.)	177	15	227	15
Asbestos	203	.....	1,896	.....
Asphalt and tar	136	.....	2,982	611
Automobiles (and autotrucks)	1,985	43	7,935	70
Automobile parts and accessories	527	80	6,159	82
Bags and bagging, textile	51	488	323	488
Bananas	.....	.....	5	1,837
Barks, miscellaneous	.....	84	.....	460
Barley	.....	5,114	1	25,813
Beans, edible, dry	20	2,106	25	7,025
Beer	58	.....	138	.....
Beverages, nonalcoholic	219	.....	239	.....
Blood and tankage	.....	.....	.....	142
Bones and bone meal	.....	.....	2,953	.....

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Books and printed matter	76	.....	107	.....
Borax	.....	622	10	7,002
Bran and pollards	.....	702	9	3,116
Bricks and tile	241	.....	503	20
Camphor, crude	.....	.....	.....	20
Canned and preserved goods:				
Fish	90	4,577	363	8,748
Fruit	898	18,269	1,019	32,350
Meat	.....	154	103	308
Milk	91	388	320	553
Soup	1,249	.....	1,250	.....
Vegetables	3,588	2,762	3,612	4,550
Miscellaneous and unclassified	519	4,543	797	4,785
Carbon black	246	.....	286	.....
Celite	.....	559	.....	624
Cement	444	.....	11,439	19
Chalk	.....	.....	959	.....
Charcoal	97	.....	114	.....
Chemicals [1]	3,473	1,327	8,646	1,518
Clay, china and fire	90	.....	293	.....
Coal	2,673	.....	4,020	.....
Cocoa and cacao beans	114	.....	812	4,131
Coconuts and products [1]	64	390	76	605
Coffee	71	50	4,173	15,238
Coke	.....	.....	6,450	.....
Cold storage and refrigerated products:				
Dairy products	3	35	116	11,147
Eggs	.....	78	.....	121
Fish	100	.....	118	180
Lard	.....	.....	115	2
Meats	10	.....	388	15,184
Poultry	.....	178	.....	178
Vegetables	.....	.....	.....	125
Other and unclassified	63	80	178	271
Confectionery	683	50	704	50
Copra	.....	.....	.....	13,848
Copra meal and cake	.....	.....	.....	1,058
Corn	885	.....	1,078	3,810
Cotton, raw	260	686	26,802	8,289
Creosote	.....	.....	22	.....
Drugs and medicines	869	12	912	15
Dyes	25	.....	50	.....
Earthenware	17	119	266	125
Electrical apparatus and appliances	257	314	324	319
Explosives	110	23	645	30
Extract, quebracho	.....	.....	327	.....
Fertilizers [1]	.....	98	5,828	101
Fish, salted or dry-cured	.....	.....	.....	14
Fish meal	.....	58	.....	7,272
Floor coverings	572	506	590	1,144
Flour	298	17,189	922	22,006
Fruit, dried	.....	6,400	240	14,576
Fruit, fresh [1]	.....	2,145	11	24,917
Furniture and household goods	367	164	367	180
Gallnuts	.....	.....	.....	65
General	18,265	9,758	39,642	22,847
Glass and glassware	2,762	84	4,809	390
Glue	31	42	60	92
Groceries	337	.....	497	11
Gums	.....	.....	.....	100
Hair, all kinds	.....	12	2	12
Hay	.....	405	.....	476
Hemp, unmanufactured	.....	493	8	2,718
Honey	.....	122	.....	222
Hops	.....	2	.....	2
Horns and hoofs	.....	.....	40	63
Infusorial earth	.....	288	.....	583
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	51,153	1,164	83,378	1,222
Ivory nuts	.....	.....	457	1,253
Jute, unmanufactured	37	54	113	190
Lard substitute	45	.....	137	.....
Lime	26	.....	26	.....
Liquors	968	287	2,974	452
Lumber (including manufactured mill products)	1,423	68,162	1,549	150,768
Machinery (other than electrical)	3,757	626	7,543	710
Malt	25	120	276	120
Manufactured goods [1]	1,020	305	1,993	1,055
Marble and granite	126	.....	491	.....
Matches	111	112	147	125

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Metals:				
Antimony				75
Copper	82	6,112	757	31,848
Gold and silver		22	3	697
Iron	1,562		2,326	
Lead		884	2,204	10,017
Scrap	584	333	68,524	483
Tin	17	50	48	2,814
Zinc	86		2,094	5,712
Other and unclassified	158	45	369	548
Milk, powdered		334	17	1,101
Molasses and syrups	155		165	
Nitrates	5,797		6,118	67,485
Nuts, edible (including meats)	45	329	216	632
Oats	70	619	70	11,538
Oils, mineral:				
Crude				138,040
Gas and fuel		203,893	21,252	234,212
Gasoline, benzine, and naphtha	20	106,885	5,007	137,821
Kerosene		10,149	15,420	21,599
Lubricating and greases	11,655	756	23,446	902
Oils, vegetable:				
Coconut				13,245
Cottonseed	1,903		1,924	3
Linseed	130		277	
Olive	35	2	453	4
Rapeseed				167
Wood	207		207	605
Other and unclassified	189	48	315	2,316
Oil, fish		43	32	190
Oil, whale			21	
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)		449	463	1,083
Oilseed cake and meal		712		3,079
Ores:				
Copper				992
Gold and silver				3
Iron			88	121,372
Lead				916
Magnesite		36		36
Tin				3,934
Zinc	16		16	7,577
Other and unclassified				727
Paints and varnishes	1,001	106	1,826	121
Paper and paper products [1]	8,083	7,068	22,747	9,942
Paper scrap			496	
Peanuts	550	331	550	331
Peas, dry		246		6,663
Peatmoss			490	
Phosphates	159		22,245	
Porcelainware	124	218	240	3,928
Potash		445		445
Pyrethrum flowers				129
Rags and waste	120	188	525	702
Railroad material	23		1,010	
Rice	357	531	752	4,049
Rope and twine	120	126	351	182
Rosin	632		3,093	
Rubber:				
Manufactured	866	63	1,247	64
Raw		41	1	1,398
Scrap	80	105	80	143
Salt	633		3,240	
Sand	1,411		3,389	
Seeds (except oilseeds)	104	121	408	449
Shells, oyster	765		765	
Silk, raw		755		1,746
Skins and hides		2,965	152	5,767
Slag			290	
Slate	547		547	
Soaps and products	774	362	1,086	436
Soda and sodium compounds	642		1,412	50
Soy beans	70		235	15,071
Sugar	18	28,780	12,217	303,575
Sulphur	14,635		15,590	58
Talc	35	211	53	216
Tallow		726	71	1,687
Tea	11	6	223	60
Textiles [2]	3,703	282	11,510	4,633
Tinplate	6,856		21,102	
Tobacco and manufactures	513	11	5,092	77

[1] Except as otherwise classified. [2] Cotton, silk, wool, rayon goods.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Toilet preparations	323	43	364	93
Turpentine	34	.....	282	.....
Vegetables, dry [1]	.....	.....	34	2,430
Wall board	.....	.....	16	493
Wax, paraffin	44	.....	792	.....
Wheat	.....	6,045	508	101,167
Wines	131	339	692	1,060
Wood pulp	33	6,693	5,166	8,433
Wool	20	7,642	138	16,262
Total, May 1934	168,820	550,279	557,524	1,745,887
Total, May 1933	141,025	472,607	409,941	1,220,041
Total, May 1932	151,988	336,677	457,027	1,219,763

[1] Except as otherwise classified.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during May 1934, classified according to trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	28	165,338	5,916	28	169,918	321,027
East coast United States and west coast South America	2	14,094	.....	.....	.....	.....
East coast United States and Philippine Islands	.....	.....	.....	1	3,761	[1] 6,680
East coast United States and Far East	1	8.427	17,780	.....	.....	.....
East coast Canada and west coast South America	1	7,717	.....	2	12,397	24,342
South American intercoastal	1	6,087	11,102	.....	.....	.....
East coast South America and Balboa	.....	.....	.....	1	1,081	.....
West Indies and west coast United States	3	16,033	.....	1	5,408	11,226
West Indies and Balboa	1	1,081	2,072	.....	.....	.....
West Indies and Far East	1	5,635	10,150	.....	.....	.....
Europe and west coast United States	2	13,094	.....	3	13,553	27,434
Europe and west coast South America	8	48,973	.....	11	72,740	147,014
Total	48	286,479	47,020	47	278,858	537,723

[1] Coconut oil.

Comparison of Canal Traffic in May 1934 with May Traffic in Previous Years

Calendar year	Month of May			Fiscal year	Average per month for fiscal year		
	Commercial transits	Panama Canal net tonnage	Tons of cargo		Commercial transits	Panama Canal net tonnage	Tons of cargo
1915	[1] 138	475,004	584,020	1915	[2] 102	361,197	465,567
1916	123	385,062	479,961	1916	63	199,687	257,843
1917	145	468,665	596,425	1917	150	483,213	588,213
1918	198	658,174	757,984	1918	172	547,839	627,669
1919	176	566,892	642,171	1919	169	510,416	576,385
1920	224	852,425	974,919	1920	206	712,170	781,208
1921	210	864,617	792,735	1921	241	951,323	966,601
1922	243	1,032,816	1,158,507	1922	228	951,455	907,075
1923	419	2,128,414	2,265,083	1923	331	1,550,482	1,630,656
1924	417	2,085,670	2,353,986	1924	436	2,179,073	2,249,559
1925	372	1,847,682	1,823,042	1925	389	1,904,596	1,996,570
1926	470	2,243,103	2,416,701	1926	433	2,064,549	2,169,787
1927	471	2,248,892	2,379,713	1927	456	2,185,651	2,312,351
1928	508	2,274,612	2,497,588	1928	538	2,454,886	2,469,226
1929	524	2,496,905	2,536,839	1929	534	2,468,483	2,555,250
1930	479	2,418,633	2,261,616	1930	515	2,498,385	2,502,519
1931	428	2,184,959	1,925,452	1931	461	2,316,012	2,090,233
1932	357	1,956,958	1,676,790	1932	376	1,968,785	1,650,667
1933	372	1,883,249	1,629,982	1933	375	1,901,823	1,514,811
1934	490	2,567,555	2,303,411	(3)	467	2,413,300	2,086,363

[1] Canal opened August 15, 1914. [2] Average for 10½ months. [3] Average for 11 months of fiscal year.

It will be noted from the above table that the Panama Canal net tonnage of last month's traffic (2,567,555) was the highest for the month of May since the opening of the Canal. The previous high May net tonnage occurred in 1929 when this feature aggregated 2,496,905 (on 524 vessels.) The number of vessels making transit last month has been exceeded twice in May traffic—in 1929 with 524, and in 1928 with 508. Cargo tonnage has been exceeded four times—in 1926, 1927, 1928, and 1929.

The high figures on net tonnage on a smaller number of vessels than in 1928 and 1929 indicates, of course, a greater tonnage per ship. This applies particularly to the tanker traffic which averaged 5,953 net tons, Panama Canal measurement, per vessel as compared with 5,331 net tons in May 1929; net tonnage, Panama Canal measurement, of the general cargo carriers in the past month averaged 4,994 as against 4,637 in May 1929.

Terminal Activities

Ships repaired during the month of May 1934, numbered 50, including 5 which were drydocked. Fuel oil in the quantity of 291,043 barrels was delivered as bunkers to 114 commercial vessels. Bunker coal amounting to 3,366 tons was delivered to 13 commercial vessels. Sales of commissary supplies to vessels amounted to $63,688.54.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Cargoes of bunkers arriving:			
Fuel oil, gasoline, etc. ... tons	22,114	25,892	48,006
Coal ... tons	10,006	.....	10,006
Local general cargo arriving ... tons	18,142	8,097	26,239
Local general cargo shipped ... tons	6,034	6,032	12,066
Cargo received for transshipment ... tons	34,577	1,917	36,494
Cargo transshipped ... tons	35,393	2,072	37,465
"Canal Zone for Orders" cargo:			
Number of receipts issued	23	5	28
Number of releases issued	50	9	59
Tons received	188	37	225
Tons withdrawn	145	4	149

All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
Ships entering						
All vessels, including those transiting Canal	552	3,652,316	2,203,866	518	3,374,491	2,049,329
Vessels entering port but not transiting Canal	60	329,433	186,321	22	62,054	34,149
Vessels transiting Canal and handling passengers and cargo at terminal ports	116	863,544	499,395	89	740,524	428,184
Ships clearing						
All vessels, including those transiting Canal	662	4,377,011	2,942,346	519	3,390,509	2,057,929
Vessels clearing port but not transiting Canal	60	319,877	179,341	20	60,719	32,815
Vessels transiting Canal and handling passengers and cargo at terminal ports	116	853,270	494,397	89	737,127	425,306

Cargo Discharged and Laden in Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, May 15, 1934, to midnight, June 15, 1934. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Juan S. Elcano, 0, 460
Contessa, 0, 722
Santa Clara, 387, ¼
San Francisco, 45, 66
Adalia, 32, 586
Laurits Swenson, 0, 290
Ancon, 1,704, 995
Sta. Catalina, 816, 871
Deborah, 0, 8
Pres. Lincoln, 7, 0
Alkmaar, 76, 75
Sta. Barbara, 168, 784
Ward, 341, 0
Quirigua, 382, 4
Metapan, 1,082, 263
Santa Ana, 689, 144
Davisian, 136, 0
Lobos, 2½, 217
Endurance, 0, 15
Istmo, 660, 0
Schwaben, 76, 716
Virgilio, 119, 37
Simon Bolivar, 21, 593
Iris, 10, 37
Toloa, 287, 742
Colombia, 180, 847
Santa Lucia, 357, 274
Durazzo, 728, 601
Nuevo Panama, 0, 192
Salvador, 0, 608
Cordillera, 118, 77
Abraham Lincoln, 304, 0
Havel, 27, 754
Montevideo Maru, 0, 341¾
Santa Rita, 419, 0
Manizales, 0, 524
Quirigua, 10, 190
Velma Lykes, 144, 262
India, 1, 0
Lochmonar, 0, 140
Cefalu, 430, 441
Real, 39, 32
San Clemente, 177, 7
Helen Whittier, 284, 0
Cellina, 0, 704
Bennekom, 2, 210
Tohsei Maru, 220, 0
Nichiyo Maru, 298, 0
Discoverer, 213, 0
Guayaquil, 1,137, 786
President Monroe, 1, 0
Peten, 20, 119
Reina del Pacifico, 31, 46
Joseph Seep, 10,447, 0
Katsuragi Maru, 300, 0
Sixaola, 540, 377
Santa Inez, 332, 114

CRISTOBAL—Continued

Spreewald, 28, 536
Cali, 1,124, 424
Haiti, 265¾, 794
Ulua, 248, 194
President Cleveland, 416, 0
Saarland, 23, 13
Tai Shan, 825, 41
Santa Rosa, 158, 2
Cordillera, 28, 1,526
Cuba, 86, 303
Kwansai Maru, 960, 75
Peten, 281, 6
Bitterfeld, 55, 178
Alaska, 521, 32
Nosa Prince, 0, 430
Annie Johnson, 0, 273
Contessa, 0, 288
Real, 39, 16
Nuevo Panama, 225,85
Crijnssen, 179, 6
Santa Maria, 400, 7
Dinteldijk, 107, 0
Orduna, 85, 350
Cristobal, 1,668, 888
Eisenach, 12, 67
Toba Maru, 91, 0
Pres. Taft, 1 pkg., 24
Santa Clara, 206, 90
Winnipeg, 200, 174
Canadian Highlander, 0, 342
Acajutla, 531½, 952
Veragua, 508, 113
Santa Marta, 965, 308
Baarn, 151, 19
Crijnssen, 2, 275
Santa Paula, 447, 254
Calamares, 387, 412
Pastores, 74, 883
Cerigo, 1,165, 485
Santa Elisa, 178, 160
Veragua, 107, 176
San Pedro, 5, 308
Deborah, 0, 4
Granville, 387, 0
Erlangen, 86, 524
San Simeon, 217, 0
Mantilla, 4,247, 0
Uyo Maru, 610, 0
Cefalu, 2,211, 456
Nuevo Panama, 242, 145
Fella, 130, 18
Glenpool, 686, 0
Endurance, 0, 18
Este, 68, 495
Stella Lykes, 194, 133
Narenta, 33, 146
Istmo, 664, 0
Zacapa, 587, 145
Quirigua, 535, 74
Darian, 216, 0
Mahia, 21, 0
Colombia, 122, 0
Hollywood, 31, 0
Santa Rita, 322, 382
Buenaventura, 2,204, 679
Salvador, 945, 0
Manizales, 935, 0
Oregon, 36, 42
Colombia, 202, 1,434
Pres. Pierce, 345, 84
Nansenville, 0, 51
Nankai Maru,1,381, 42
Santa Elena, 266, 40
Quirigua, 20, 233
Colombie, 60, 0
Barneveld, 6, 206
Damsterdijk, 249, 29
Minden, 28, 7
Portland, 8 pkgs., 630
Contessa, 248, 576
Kreta, 0, 928
Antiochia, 42, 181
Tuira, 51, 66
Colombie, 0, 538
New Orleans, 221, 0
Santa Barbara, 225, 22
San Bernardino, 325, 0
Hoperange, 190, 0
Ancon, 1,780, 0
Iris, 760, 0
Loriga, 20, 780
M. de Comillas, 111, 0
Magallanes, 1½, 209
Charles Nelson, 483, 0
Santa Maria, 243, 783½
Peten, 766, 4
San Mateo, 500, 0
Nuevo Panama, 250, 0
Metapan, 1,068, 0

BALBOA

Santa Clara, 2, 20
Sta. Maria, 12,741, 30
Pres. Lincoln, 0, 8
Santa Barbara, 83, 170
Real, 18, 0
Santa Ana, 137, 30
Chateau Thierry, 689, 358
Santa Lucia, 60, 48
Talamanca, 74, 18
Santa Rita, 22, 10
Abraham Lincoln, 562, 0
El Mirlo, 11,173, 0
California, 35, 0
Cali, ¼, 0
Iris, 78, 0
Tai Shan, 108, 39
Santa Inez, 183, 20
San Jose, 15, 321
Santa Rosa, 80, 26
Chirique, 30, 17
Alaska, 321, 11
Santa Catalina, 0, 5
Rakoyu Maru, 43, 0
Nosa Prince, 5, 0
Annie Johnson, 0, ½
Santa Maria, 35, 0
Santa Clara, 154, 6
Santa Paula, 56, 4
Antigua, 0, 52
Santa Elisa, 114, 10
Felix Taussig, 2,321, 0
Granville, 613, 0
Anna Maersk, 145, 0
Glasgow Maru, 0, 8,641
Virginia, 65, 0
Santa Rita, 116, 47
Rotorua, 51, 0
Santa Elena, 160, 12
Talamanca, 0, 13
Ludington, 602, 263
Iocoma, 1,920, 0
New Orleans, 203, 0
Santa Barbara, 2, 0
Santa Maria, 131, 65
El Mirlo, 12,278, 0

Passengers

Ocean ship passengers disembarking at Cristobal numbered 1,520; embarking 2,097; at Balboa, 1,091 disembarking and 1,189 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 4,022, from the Pacific to the Atlantic, 5,058. Aircraft numbering 41 entered Cristobal, and 101 passengers disembarked; clearances were 42, with 78 passengers embarking; at Balboa 1 aircraft entered with 1 passenger disembarking; clearances, 1, with no passengers embarking.

Executive Order

Correction of Description of the Corundu Military Reservation, Canal Zone

Whereas certain lands situated in the Canal Zone were by Executive Order No. 3207 of December 30, 1919, set apart and assigned to the uses and purposes of a military reservation under the jurisdiction of the Secretary of War, which reservation is known as the Corundu Military Reservation and includes Fort Clayton, the Panama Arsenal, the Engineer Depot, the Post of Corozal, and Albrook Field; and

Whereas a recent survey of the said reservation has revealed errors and inaccuracies in the description thereof as contained in the said Executive order;

Now, therefore, by virture of and pursuant to the authority vested in me as President of the United States, it is ordered that the description of the Corundu Military Reservation be, and it is hereby, corrected to read as follows: (This description, in detail, is omitted from publication in THE PANAMA CANAL RECORD; the entire order, including the description, is published in Supplement No. 27 to "Executive Orders Relating to The Panama Canal," issued June 15, 1934.)

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The re-survey was made in the latter months of 1932 and the early months of 1933. The directions of the lines refer to the true meridian and were determined by deflection angles from known azimuths of the Canal Zone triangulation system. The magnetic declination was not recorded. The entire area is shown on Panama Canal map No. M-6102-78, dated September 1, 1933, on file at the Governor's office, Balboa Heights, Canal Zone, and the Department Engineer's office, Panama Canal Department, United States Army, Corozal, Canal Zone. The area of the reservation is: Parcel No. 1, 8,876 acres, more or less; Parcel No. 2, 254 acres, more or less; total area 9,130 acres, more or less.

Except as amended and modified by this order all the conditions of Executive Order No. 3207, dated December 30, 1919, shall remain in full force and effect.

FRANKLIN D. ROOSEVELT.

THE WHITE HOUSE,
May 21, 1934. [No. 6713]

Movements of Ocean Vessels Through the Panama Canal

From midnight May 15, 1934, to midnight June 15, 1934

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Holland [13]	15	21	Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z.	Ballast	.....
Nautilus [7]	15	21	Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z.	Ballast	.....
Bonita [7]	15	21	Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z.	Ballast	.....
Dolphin [7]	15	21	Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z.	Ballast	.....
Bass [7]	15	21	Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z.	Ballast	.....
William Rockefeller. [1]	15	16	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Beaconhill [1]	16	16	Amer.	Shell Oil Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast	.....
Tuira [2]	15	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
San Lorenzo [2]	15	...	Pan.	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Real [2]	15	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Ryoyo Maru [2]	16	17	Jap.	Kawasaki K. Kaisha	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
President Lincoln.	17	18	Amer.	Dollar Line	New York, N.Y.	Manila, P.I.	Gen., mach'y	2,215
Sandpiper [10]	...	...	Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z.	Ballast	.....
Julia Luckenbach.	17	17	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,231
Monkleigh	17	17	Brit.	Anglo-Can. S.S. Co.	Barry, England.	Portland, Oreg.	Ballast	.....
Adrastus	17	17	Brit.	Alfred Holt & Co.	Philadelphia, Pa.	Osaka, Japan.	General	5,812
Gulfwax [1]	17	17	Amer.	Gulf Refining Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Steelore	17	17	Amer.	Ore S.S. Corp.	New York, N.Y.	Cruz Gr'de, Chile	Ballast	.....
Charles H. Cramp	17	17	Amer.	Argonaut S.S. Co.	New York, N.Y.	James Is., B.C.	Nitrates,gen.	5,205
Cities Service Toledo. [1]	17	17	Amer.	Cities Ser. Transp. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Harold Walker [1]	17	18	Amer.	Standard Ship. Co.	Jacksonville, Fla.	Los Angeles, Cal.	Ballast	.....
Wright [14]	17	18	Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z.	Ballast	.....
Akagisan Maru [2]	18	18	Jap.	Mitsui & Co.	New York, N.Y.	Yawata, Japan.	([16])	2,290
Silveryew [2]	18	18	Brit.	S. & J. Thompson.	New York, N.Y.	Hongkong, China	General	5,525
Santa Barbara [2]	17	19	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	2,279
Chateau Thierry [8]	18	...	Amer.	U.S. Army	New York, N.Y.	Balboa, C.Z.	General	256
Pirate [3]	18	...	Pan.	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z. [17]	Bananas	.....
Nevada [15]	18	19	Amer.	U.S. Navy	Guantan'o, Cuba.	San Diego, Calif.	Ballast	.....
F. W. Abrams [2]	18	19	Amer.	Standard Ship. Co.	Norfolk, Va.	Los Angeles, Cal.	Ballast	.....
Lobos [2]	18	19	Brit.	Pacific Steam Nav. Co	Hull, England.	Valparaiso, Chile.	General	3,407
Scandia [2]	18	19	Dan.	Det. Danske Pet. Aktieselskab.	Copenhagen, Den	Talara, Peru	Ballast	.....
Raby Castle [2]	18	19	Brit.	Lancashire Ship. Co.	New York, N.Y.	Shanghai, China.	General	877
Massmar	19	19	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	8,941
Iowan	19	19	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,588
Beaconoil [1]	19	19	Amer.	Standard Ship. Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Oregon Express [2]	19	19	Nor.	Fruit Express Line	Goth'burg, Swed.	Los Angeles, Cal.	Ballast	.....
Avocet [10]	16	19	Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z.	Ballast	.....
Lapwing [10]	...	19	Amer.	U.S. Navy	Cristobal, C.Z.	Corinto, Nic.	Ballast	.....
Santa Lucia	19	20	Amer.	Panama Mail S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	Coffee, gen.	2,462
Nuevo Panama [2]	11	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	200
Virgilio [2]	19	20	Ital.	Societa Italia	Genoa, Italy	Valparaiso, Chile.	General	512
Ruahine	20	20	Brit.	N.Z. Shipping Co.	London, Eng.	Auckland, N.Z.	General	2,729
Winkleigh	19	20	Brit.	Tatem Steam Nav. Co	Barry, England.	Vancouver, B.C.	Ballast	.....
Iris	19	20	Neth.	Royal Neth. S.S. Co.	Curacao, D.W.I.	B'ventura, Col.	General	253
Point Palmas	19	20	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	5,414
Samuel Bakke [2]	20	20	Nor.	The Cascade Line	Copenhagen, Den	Vancouver, B.C.	Wood pulp.	3,025
Salvador	12	20	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	608
Caterina [3]	20	21	Brit.	Lisardo Garcia	Belize, Honduras.	Balboa, C.Z.	Ballast	.....
Abraham Lincoln [2]	20	21	Nor.	Fred Olsen Line	Oslo, Norway.	Vancouver, B.C.	General	4,674
San Lorenzo [2]	19	...	Pan.	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
West Mahwah	20	21	Amer.	McCormick S.S. Co.	Buenos Aires, Arg.	S. Francisco, Cal.	General	3,215
Brandanger [2]	20	21	Nor.	General S.S. Corp.	Buenos Aires, Arg.	Vancouver, B.C.	General	3,448
William A. McKenney.	21	21	Amer.	McCormick S.S. Co.	Albany, N.Y.	Seattle, Wash.	General	2,983
Tongking [2]	21	21	Dan.	Garson Steel Corp.	Mobile, Ala.	Yawata, Japan.	Scrap iron.	8,503
Swiftscout [2]	20	21	Amer.	C. D. Mallory & Co.	NewHaven,Conn.	Los Angeles, Cal.	Ballast	.....
Montevideo Maru. [2]	20	21	Jap.	Osaka Shosen Kaisha.	Montevideo, Uru.	Kobe, Japan	General	4,104
Noreg [1] [2]	21	21	Nor.	H. M. Wrangell & Co.	Havre, France.	La Libertad, Ecu.	Ballast	.....
Manizales	14	21	Ger.	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	524
Havel [2]	20	21	Ger.	North German Lloyd.	Hamburg, Ger.	Portland, Oreg.	General	3,732
Peter Maersk [2]	21	22	Dan.	Isbrandtsen Moller Co.	Boston, Mass.	Cebu, P.I.	General	5,691
India [2]	22	22	Dan.	East Asiatic Co.	Copenhagen, Den	S. Francisco, Cal.	Ballast	.....
Elmworth [2]	22	22	Brit.	Canadian Transp. Co.	St. Kitts, B.W.I.	Vancouver, B.C.	Sugar	7,000
Modavia [2]	22	22	Brit.	Donaldson Brothers.	Glasgow, Scot.	Vancouver, B.C.	General	847
Geisha [2]	22	22	Nor.	Knut Knutsen O.A.S.	Oslo, Norway.	Valparaiso, Chile.	General	3,406
Hale, No. 133 [9]	17	...	Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z.	Ballast	.....
Buchanan, No. 131. [9]	17	...	Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z.	Ballast	.....
Nebraskan	22	23	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,271
Kofuku Maru	22	23	Jap.	Kokusai Kisen Kaisha	Jacksonville, Fla.	Yokohama, Jap.	([18])	7,619

[1] Tanker. [2] Motor ship. [3] Motor schooner. [7] Submarine. [8] Transport. [9] Destroyer. [10] Mine sweeper. [13] Sub. tender. [14] Aircraft tender. [15] Battleship. [16] Scrap steel, general. [17] And return to Cristobal. [18] Rosin, scrap steel, asbestos.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Norfolk Maru	23	23	Jap	Kawasaki K. Kaisha	Tampa, Fla	Moji, Japan	[15]	6,262
Brynje [2]	23	23	Nor	Canadian Transp. Co.	Dublin, Ireland	Los Angeles, Cal.	Ballast	
Gulfpenn [1]	23	23	Amer.	Gulf Refining Co	New York, N.Y.	Los Angeles, Cal.	Ballast	
Vanja [1] [2]	23	23	Nor	H. D. Simonsen	Habana, Cuba	Los Angeles, Cal.	Ballast	
Malay [1]	23	23	Amer.	U.S. Navy	Norfolk, Va	Los Angeles, Cal.	Ballast	
Sambu [2]	22		Pan	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z	Ballast	
Real [2]	22	23	Pan	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	18
Mary Ann [13]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z	Ballast	
Helen Whittier	23	24	Amer.	Sudden & Christenson	Baltimore, Md.	Los Angeles, Cal.	General	2,700
Pomona	23	24	Amer.	Naeirema Oper. Co.	Boston, Mass.	Tacoma, Wash.	General	1,947
Susan V. Luckenbach.	24	24	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash	General	2,602
Antioquia [9]	23	24	Col	Colombian Govt	Cartagena, Col	B'ventura, Col.	Ballast	
Sacramento Valley.	24	24	Brit	Reardon Smith Line	New York, N.Y.	Vancouver, B.C.	Ballast	
San Clemente	23	24	Amer.	Quaker S.S. Line	New York, N.Y.	Tacoma, Wash	General	2,371
Everleigh	24	24	Brit	Anglo-Can. Ship. Co.	Barry, England	Vancouver, B.C.	Ballast	
Bennekom	24	24	Neth	Royal Neth. S.S. Co.	Hamburg, Ger	Corral, Chile	General	1,513
Mercury Sun [1] [2]	24	24	Amer.	Sun Oil Co	Chester, Pa	Los Angeles, Cal.	Ballast	
Atlanta City	24	25	Amer.	Isthmian S.S. Lines	Portland, Me.	Seattle, Wash	Steel, gen	7,226
President Monroe.	25	25	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	2,598
California	25	25	Amer.	Panama-Pacific Line	New York, N.Y.	S. Francisco, Cal.	General	2,257
Glasgow Maru	24		Jap	Kokusai Kisen Kaisha	Savannah, Ga	Japan	Ballast	
Chilore	23	25	Amer.	Ore S.S. Corp	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Athelprince [1] [2]	24	25	Brit	United Molasses Co	Albany, N.Y.	Los Angeles, Cal.	Ballast	
City of Roubaix	25	25	Brit	Ellerman & Bucknall	Baltimore, Md.	Dairen, China	General	4,321
Wellington Court	25	25	Brit	Canadian Transp. Co.	Sunderland, Eng.	Portland, Oreg.	Ballast	
Hoegh Trader [2]	25	25	Nor	La Generale Co	Antwerp, Belg.	Hongkong, China	General	7,697
Bessemer City	25	25	Amer.	Isthmian S.S. Lines	Mobile, Ala	Shanghai, China	General	6,550
Hansa [1] [2]	25	25	Ger	Campsa, Madrid	Birkenhead, Eng.	Los Angeles, Cal.	Ballast	
Pacific Commeree. [2]	25	26	Brit	Canadian Transp. Co.	London, Eng	Vancouver, B.C.	Ballast	
Pirate [3]	25		Pan	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z. [14]	Bananas	
Crowninshield, No. 134. [2]	17		Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z	Ballast	
Belpamela [2]	26	26	Nor	Christen Smith's Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
T. J. Williams [1]	26	26	Amer.	Standard Ship. Co	Caripito, Venez.	Tocopilla, Chile.	[16]	11,102
Tuscanstar [2]	25	26	Brit	Blue Star Line	London, Eng	Auckland, N.Z.	Ballast	
Harpoon	25	26	Amer.	Shepard S.S. Co	N. Bedford, Conn	Seattle, Wash	General	5,942
Orville Harden. [1] [2]	26	26	Danz.	W. Tankschiff Rhed'i.	Havre, France	Talara, Peru	Ballast	
Flomar	26	26	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash	Steel, gen	5,755
Santa Inez [2]	25	26	Amer.	Grace Line	New York, N.Y.	Talcahuano, Chile	General	2,724
Joseph Seep [1]	25	26	Amer.	Standard Ship. Co	Aruba, D.W.I.	Los Angeles, Cal.	Ballast	
San Jose	24	27	Fr	French Line	Newcastle, Eng.	Vancouver, B.C.	Coke, gen	3,842
American	26	26	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	1,730
Brilliant [1] [2]	26	26	Amer.	Stand. Vacuum Tr'sp.	New York, N.Y.	Los Angeles, Cal.	Ballast	
Spreewald [2]	25	27	Ger	Hamburg-Amer. Line.	Hamburg, Ger	Corral, Chile	General	2,045
Potter [2]	26	27	Amer.	Roosevelt S.S. Co	Baltimore, Md.	Shanghai, China.	[17]	4,483
Juanita [1]	26		Venez.	Shell Oil Co	Curacao, D.W.I.	Balboa, C.Z	Gasoline	2,072
Yoseric	26	27	Brit	Long Is. Mach. & Eq.	Baltimore, Md.	Yokohama, Jap.	Scrap iron	7,259
Hororata	26	27	Brit	N.Z. Shipping Co	London, Eng	N. Plymouth, N.Z	General	4,131
Trondanger [2]	27	27	Nor	Interocean S.S. Line.	Rotterdam, Neth.	Vancouver, B.C.	Cement	212
Georgian	27	27	Amer.	Williams S.S. Line	Baltimore, Md.	Seattle, Wash	General	2,060
Mobile City	27	27	Amer.	Isthmian S.S. Lines	Philadelphia, Pa.	Nawiliwili, T.H.	General	6,323
Dean Emery [1]	27	27	Amer.	Standard Ship. Co	Jacksonville, Fla.	Los Angeles, Cal.	Ballast	
Pacific Shipper [2]	27	28	Brit	Furness Withy & Co.	Glasgow, Scot	Vancouver, B.C.	General	619
Hugoton [1]	27	27	Amer.	U.S. Navy	Newp't News, Va.	Los Angeles, Cal.	Ballast	
Santa Catalina [2]	16	28	Amer.	Panama Mail S.S. Co.	Cristobal, C.Z.	S. Francisco, Cal.	General	817
Athelregent [1] [2]	27	28	Brit	P. Drewery	Havre, France	La Libertad, Ecua	Ballast	
Aurora [2]	28	28	Swed	West Indian Trad. Co.	Aalborg, Den	Acajutla, Salv	Cement, flour	5,390
Durazzo	19	28	Ger	Hamburg-Amer. Line.	Cristobal, C.Z.	Guayaquil, Ecuad	General	601
Mary Ann [13]			Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z	Ballast	
J-26 [5]			Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z	Ballast	
Nosa Prince	28	29	Amer.	N.O. & S.A. S.S. Line	New York, N.Y.	Talcahuano, Chile	Gen., lub. oil	1,565
Bitterfeld	28	29	Ger	Hamburg-Amer. Line.	Hamburg, Ger	Vancouver, B.C.	General	4,477
Hindanger [2]	28	29	Nor	Interocean S.S. Line.	Rotterdam, Neth.	Guayaquil, Ecuad	Psgrs. only.	
Port Hardy	28	29	Brit	Com'lth & Dom. Line	Liverpool, Eng	Brisbane, Aus'lia.	General	6,300
Huguenot [1]	28	29	Amer.	Richfield Oil Co	Mobile, Ala	Los Angeles, Cal.	Ballast	
Pan-Norway [1] [2]	29	29	Nor	Pan-Amer. Pet. Co	Falmouth, Eng.	Talara, Peru	Ballast	
Virginian	29	29	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash	Gen., autos.	1,700
Istmo	29	29	Pan	Elliot Ship. & Land Co.	Manare, Col	Tumaco, Col	Salt	615
Athelcrown [1] [2]	29	30	Brit	United Molasses Co	Birkenhead, Eng.	Los Angeles, Cal.	Ballast	
Pasajero [3]	28	30	Hon	F. Beltram	Pto. Castilla, Hon.	Amapala, Hond.	Ballast	
Sinnington Court.	29	30	Brit	Canadian Transp. Co.	N. Shields, Eng.	Portland, Oreg.	Ballast	
Halsey [1]	29	30	Amer.	Shell Oil Co	Fall River, Mass.	Los Angeles, Cal.	Ballast	
Svealand [2]	30	30	Swed	Ore S.S. Corp	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [9] Destroyer. [13] Crane. [14] And return to Cristobal. [15] Phosphate, cotton. [16] Diesel and fuel oil. [17] Autos, steel, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Emidio [1]	30	30	Amer.	General Pet. Co.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	.....
California Express. [2]	30	30	Nor.	Fruit Express Line	London, Eng.	Los Angeles, Cal.	Ballast	.....
Erviken	30	30	Nor.	Commercial Metal Co.	New Orleans, La.	Yokohama, Jap.	Scrap iron	9,517
Nuevo Panama [2]	29	30	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	100
San Lorenzo [2]	29	...	Pan.	N. Pinel	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Sambu [2]	29	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Real [2]	29	30	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	16
Orduna	30	31	Brit.	Pacific Steam Nav. Co	Liverpool, Eng.	Valparaiso, Chile.	General	2,621
Dinteldijk [2]	30	31	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Vancouver, B.C.	General	1,102
President Taft	31	1	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	2,198
Tokai Maru [2]	31	31	Jap.	Osaka Shosen Kaisha.	Philadelphia, Pa.	Kobe, Japan	([14])	7,033
King Malcolm [2]	31	31	Brit.	British Motorship Co.	Cardiff, Eng.	Los Angeles, Cal.	Ballast	.....
Ardmore [1]	31	31	Amer.	U.S. Navy	Norfolk, Va.	Los Angeles, Cal.	Ballast	.....
Retriever [13]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Aaron Ward, No. 132. [9]	17	...	Amer.	U.S. Navy	Guantan'o, Cuba.	Balboa, C.Z.	Ballast	.....
Mathew Luckenbach.	31	1	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,614
West Cactus	31	1	Amer.	McCormick S.S. Line.	Albany, N.Y.	Seattle, Wash.	Steel, gen.	3,523
Greylock	31	1	Amer.	Luckenbach Line	Mobile, Ala.	Seattle, Wash.	General	6,059
Janeta	1	1	Brit.	Maclay & McIntyre	Montreal, Can.	Vancouver, B.C.	Ballast	.....
Australien [2]	1	1	Dan.	East Asiatic Co.	New York, N.Y.	Kobe, Japan	Scrap steel	8,530
Trimountain [1]	1	1	Amer.	Shell Terminal Corp.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Santa Clara	31	2	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	2,393
Point Bonita	1	1	Amer.	Gulf-Pacific Line	Lake Charles, La.	S. Francisco, Cal.	Paper, pipe	2,712
Mary Ann [1 3]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Motor Sailer	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Pirate [3]	1	...	Pan.	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z. [15]	Bananas	.....
Siljestad [2]	1	2	Nor.	Fern Line	Gulf ports	Kobe, Japan	Cotton, lead.	6,064
Sheaf Crown	2	2	Brit.	Funch Edye & Co.	New York, N.Y.	Melbourne, Aus.	General	5,079
Montanan	2	2	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,008
District of Columbia. [1]	2	2	Amer.	Standard Ship. Co.	Jacksonville, Fla.	Los Angeles, Cal.	Ballast	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Santa Paula	2	3	Amer.	Panama Mail S.S. Co.	New York, N.Y.	Seattle, Wash.	General	1,581
Tai Yang [2]	2	3	Nor.	Barber-Wilhelmsen	Boston, Mass.	Yokohama, Jap.	General	4,227
Standard [1]	2	3	Amer.	Standard Oil Co.	Newp't News, Va.	Los Angeles, Cal.	Ballast	.....
Acajutla	25	3	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	952
Cali	25	3	Ger.	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	433
King James [2]	3	3	Brit.	Canadian Transp. Co.	Montreal, Can.	N. Westm'r, B.C.	General	8,900
C. O. Stillman [1 2]	3	3	Brit.	International Pet. Co.	Halifax, N.S.	Talara, Peru	Ballast	.....
Nyhorn [2]	3	3	Nor.	Scand. So. Pac. Line	Oslo, Norway	Talcahuano, Chile	([16])	555
Gregalia	4	4	Brit.	Donaldson Line	Glasgow, Scot.	Vancouver, B.C.	General	843
Fort James [3]	3	5	Brit.	Hudson Bay Co.	St. Johns, Newf'd	Vancouver, B.C.	Ballast	.....
Turicum [1 2]	4	4	Nor.	Anglo-Saxon Pet. Co.	Plymouth, Eng.	Los Angeles, Cal.	Ballast	.....
Col. Riche [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Pirate [3]	4	...	Pan.	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z. [15]	Bananas	.....
Ionic	4	5	Brit.	Shaw, Savill & Albion	London, Eng.	Auckland, N.Z.	General	4,175
John Worthington. [1]	4	5	Amer.	The Texas Co.	Aruba, D.W.I.	Los Angeles, Cal.	Fuel oil	9,825
Southern Sun [1]	4	5	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Hamm	5	5	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Mollendo, Peru	Ballast	.....
Granville [2]	5	6	Pan.	Fred Olsen Line	Oslo, Norway	Vancouver, B.C.	General	2,635
Lionel [2]	4	5	Nor.	Alf. Moho	Boston Mass.	Los Angeles, Cal.	Ballast	.....
Panaman	5	5	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	1,952
San Pedro	5	5	Fr.	French Line	Dunkirk, France.	Corral, Chile	General	1,345
Chester Sun [1 2]	5	6	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Maud [2]	5	6	Nor.	Hjalmar Roed & Co.	St. Johns, Newf'd	Pukow, China	([17])	4,323
Gen. M. H. Sherman.	6	6	Amer.	Matson Nav. Co.	New Orleans, La.	S. Francisco, Cal.	([18])	3,345
Rhexenor	6	6	Brit.	Ocean S.S. Co.	New York, N.Y.	Osaka, Japan	General	4,615
Steel Worker	6	6	Amer.	Isthmian S.S. Lines	Swansea, Eng.	Vancouver, B.C.	General	8,504
San Simeon	5	6	Amer.	Quaker S.S. Line	New York, N.Y.	Tacoma, Wash.	General	2,857
E. J. Bullock [1]	6	6	Amer.	Standard Ship. Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Lebore	4	6	Amer.	Ore S.S. Corp.	Newp't News, Va.	Cruz Gr'de, Chile	Ballast	.....
Erlangen	5	6	Ger.	North German Lloyd.	Hamburg, Ger.	Valparaiso, Chile.	General	3,841
Real [2]	5	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Sambu [2]	5	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Fella [2]	6	7	Ital.	Nav. Libera-Triestina	Trieste, Italy	Vancouver, B.C.	Cork, gen.	3,180
Asuka Maru [2]	7	7	Jap.	Nippon Yusen Kaisha	Philadelphia, Pa.	Kobe, Japan	General	8,988
Tairoa	7	7	Brit.	Shaw, Savill & Albion	Liverpool, Eng.	Pt. Chalmers, N.Z.	General	6,685
Lillian Luckenbach.	7	7	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	2,382
Mevania [1]	7	7	Amer.	Shell Oil Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Traviata	7	7	Ital.	Ind. Nav. Soc. Anonima	Genoa, Italy	Callao, Peru	([19])	178
Tyr [2]	7	8	Nor.	Isbrandtsen Moller Co.	New York, N.Y.	Kobe, Japan	General	1,042

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [9] Destroyer. [13] Crane. [14] Phosphate, general. [15] And return to Cristobal. [16] Cement, wood pulp, explosives. [17] Steel rails, fish plates. [18] Steel plates and bars. [19] Airplane accessories.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Rossington Court.	7	8	Brit...	Canadian Transp. Co.	Sunderland, Eng.	Portland, Oreg...	Ballast.....	.....
President Van Buren.	8	8	Amer..	Dollar Line.....	New York, N.Y.	S. Francisco, Cal.	General.....	2,358
Chattanooga City.	7	8	Amer..	Isthmian S.S. Lines..	Baltimore, Md...	Singapore, St.Set.	Steel, gen...	5,258
Point Clear.....	8	8	Amer..	Gulf Pacific Line.....	New Orleans, La.	Seattle, Wash...	General.....	4,348
Virginia.....	8	8	Amer..	Panama-Pacific Line.	New York, N.Y.	S. Francisco, Cal.	General.....	1,827
Hakonesan Maru [2]	8	8	Jap...	Mitsui & Co.....	New York, N.Y.	Yokohama, Jap..	Cotton, gen.	8,223
Romney.....	8	8	Brit...	Chilean Nitrate Co...	Baltimore, Md...	Ant'fagasta, Chile	Ballast.....	.....
Barbara Cates....	8	8	Amer..	Sudden & Christenson	Jacksonville, Fla.	Tacoma, Wash..	General.....	3,068
Este.....	7	9	Ger...	North German Lloyd.	Bremen, Ger....	Los Angeles, Cal.	General.....	2,324
Meton [1].....	8	8	Amer..	Shell Oil Co.....	Newp't News, Va.	Los Angeles, Cal.	Ballast.....	.....
Pirate [3].....	8	...	Pan...	E. J. Hooper.....	Cristobal, C.Z...	Gatun, C.Z. [13]...	Bananas.....	.....
Col. Riche [5].....	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Launch.....	...	...	Amer..	U.S. Navy.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Nuevo Panama [2]..	5	9	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	B'ventura, Col...	General.....	140
Hollywood.....	8	9	Amer..	McCormick S.S. Co..	Rosario, Arg....	Los Angeles, Cal.	General.....	2,598
Oregon [2].....	9	9	Fr....	French Line.....	Dunkirk, France.	Vancouver, B.C..	General.....	6,084
Mantilla [1].....	9	...	Nor...	United Fruit Co.....	Almirante, R.P..	Balboa, C.Z.....	Drydocking	.....
Santa Rita [2].....	8	9	Amer..	Grace Line.....	New York, N.Y.	Valparaiso, Chile.	General.....	2,759
Tamiahua [1].....	9	9	Amer..	Standard Ship. Co....	Providence, R.I..	Los Angeles, Cal.	Ballast.....	.....
Kinai Maru [2].....	9	9	Jap...	Mitsubishi Dockyard.	Boston, Mass....	Kobe, Japan....	General.....	5,938
Canadian Victor..	9	10	Brit...	Can. Nat. Steamships	Montreal, Can...	Lyttleton, N.Z...	General.....	3,539
Texan.....	9	10	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash...	General.....	1,900
Pacific Ranger [2]..	9	10	Brit...	Furness Withy & Co.	Manchester, Eng.	Vancouver, B.C..	General.....	406
Avance [6].....	26	10	Pan...	A. M. Stanton.....	Colon, R.P.....	Balboa, C.Z.....	Ballast.....	.....
Wind Rush.....	9	10	Amer..	Shepard S.S. Line....	Boston, Mass....	Seattle, Wash...	General.....	4,370
Javanese Prince [2].	10	10	Brit...	Prince Line, Ltd.....	Baltimore, Md...	Java, D.E.I.....	General.....	1,348
Texmar.....	10	10	Amer..	Calmar S.S. Corp....	Baltimore, Md...	Seattle, Wash...	Steel, gen...	7,167
Vilja [1] [2].....	10	10	Nor...	Halfdan Ditlev Simonson & Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast.....	.....
Forbes Hauptman	10	10	Amer..	McCormick S.S. Co..	Philadelphia, Pa.	Tacoma, Wash..	Steel, gen...	2,669
Hadleigh.....	10	11	Brit...	Anglo-Can. Ship. Co.	Barry, England..	Vancouver, B.C..	Ballast.....	.....
Constance Chandler.	11	11	Amer..	Matson Nav. Co.....	New York, N.Y.	Honolulu, T.H...	Ballast.....	.....
Cathwood [1].....	11	11	Amer..	Union Oil Co.....	Tiverton, R.I....	Los Angeles, Cal.	Ballast.....	.....
Ludington [8].....	10	12	Amer..	U.S. Army.....	Brooklyn, N.Y..	Honolulu, T.H...	Supplies....	3,013
Grainton.....	11	11	Brit...	R. Chapman & Sons..	New York, N.Y.	Vancouver, B.C..	Ballast.....	.....
Barneveld.....	11	11	Neth..	Royal Neth. S.S. Co..	Hamburg, Ger...	Corral, Chile....	General.....	1,697
Cerigo.....	3	11	Ger...	Hamburg-Amer. Line.	Cristobal, C.Z...	Guayaquil, Ecuad	General.....	485
Fernlane [2].....	11	11	Nor...	Fearnley & Eger.....	New Orleans, La.	Shanghai, China.	Cotton.....	4,736
Pirate [3].....	11	...	Pan...	E. J. Hooper.....	Colon, R.P.....	Gatun, C.Z. [13]...	Bananas.....	.....
J-26 [5].....	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	Gatun, C.Z.....	Ballast.....	.....
Lapwing [10].....	...	...	Amer..	U.S. Navy.....	Cristobal, C.Z...	Balboa, C.Z.....	([14])	.....
Damsterdyk [2]....	11	12	Neth..	Holland-Amer. Line..	Rotterdam, Neth.	Portland, Oreg...	General.....	1,360
Soyo Maru [2].....	11	12	Jap...	Kawasaki K. Kaisha.	Baltimore, Md...	Yokohama, Jap..	Ballast.....	.....
Willsolo.....	11	12	Amer..	Amer.-Hawaiian Line.	Charleston, S.C..	Seattle, Wash...	General.....	2,179
Danae [1] [2].....	11	...	Brit...	British Government..	Bermuda, B.W.I.	Vancouver, B.C..	Ballast.....	.....
City of Norwich..	12	...	Brit...	Ellerman Hall Lines..	Paulsboro, N.J..	Brisbane, Aus'lia.	Gen., mach'y	4,762
Memphis City...	13	13	Amer..	Isthmian S.S. Lines..	Portland, Me....	Tacoma, Wash..	([15])	4,552
Robin Adair.....	13	13	Amer..	Luckenbach Line....	Houston, Tex....	Seattle, Wash...	General.....	5,500
Borgestad [2].....	13	13	Nor...	Canadian Transp. Co.	Botwood, Newf'd	Selby, Calif.....	Concentrates	4,928
Silvercedar [2].....	13	13	Brit...	Canadian Transp. Co.	Houston, Tex....	Tacoma, Wash..	Newsprint..	1,844
San Lorenzo [2]....	12	...	Pan...	A. Valdez.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Sambu [2].....	12	...	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Tuira [2].....	12	...	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Pto. Arm'les, R.P.	General.....	60
Pirate [3].....	13	...	Pan...	E. J. Hooper.....	Colon, R.P.....	Gatun, C.Z. [13]...	Bananas.....	.....
Col. Riche [5].....	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	Gatun, C.Z.....	Towingbarge	.....
Rangitiki [2].....	13	14	Brit...	N.Z. Shipping Co....	London, Eng....	Wellington, N.Z.	General.....	2,662
President Cleveland.	14	15	Amer..	Dollar Line.....	New York, N.Y.	Manila, P.I.....	General.....	2,164
Loriga [2].....	13	14	Brit...	Pacific Steam Nav. Co	Hull, England..	Corral, Chile....	General.....	4,603
San Bernardino..	13	14	Amer..	States S.S. Co.....	New York, N.Y.	Seattle, Wash...	General.....	2,711
K. R. Kingsbury [1]	13	14	Amer..	Standard Ship. Co...	Baltimore, Md...	Los Angeles, Cal.	Ballast.....	.....
Taybank [2].....	14	14	Brit...	Bank Line, Ltd.....	Boston, Mass....	Kobe, Japan....	General.....	5,200
D. G. Scofield [1]..	14	14	Amer..	Standard Ship. Co...	Providence, R.I..	Los Angeles, Cal.	Ballast.....	.....
D. L. Harper [1] [2].	14	14	Danz..	W. Tankschiff Rhed'i.	Havre, France...	Talara, Peru....	Ballast.....	.....
S. M. Spalding [1]..	14	14	Amer..	Standard Ship. Co...	Charleston, S.C..	Los Angeles, Cal.	Ballast.....	.....
Cressington Court. [2]	14	14	Brit...	Canadian Transp. Co.	London, Eng....	Vancouver, B.C..	Ballast.....	.....
Charles Nelson...	14	14	Amer..	Nelson Line.....	New York, N.Y.	Seattle, Wash...	([16])	2,617
Balboa [2].....	15	15	Swed..	Johnson Line.....	Goth'burg, Swed.	Honolulu, T.H...	([17])	4,117
Pat Doheny [1].....	15	15	Amer..	Richfield Oil Co.....	Marcus Hook, Pa	Los Angeles, Cal.	Ballast.....	.....
Amerikaland [2].....	15	15	Swed..	Ore S.S. Corp.....	Baltimore, Md...	Cruz Gr'de, Chile	Ballast.....	.....
Santa Maria [2]....	14	16	Amer..	Grace Line.....	New York, N.Y.	Valparaiso, Chile.	General.....	2,473
Gothic Star.....	15	15	Brit...	Blue Star Line.....	Newcastle, Eng..	Vancouver, B.C..	Ballast.....	.....
Gen. Wm. M. Graham. [11]	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [6] Yacht. [8] Transport. [10] Mine sweeper. [11] Mine planter. [12] Cruiser. [13] And return to Cristobal. [14] Towing barge No. 2. [15] Steel, tin, general. [16] Steel, coal, general. [17] Fertilizer, general.

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Santa Clara	16	16	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	4,440
San Diego	16	16	Amer.	States S.S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	2,730
Santa Cecilia	16	16	Amer.	Argonaut S.S. Co.	Seattle, Wash.	New York, N.Y.	Lumber, gen.	3,422
Horace Luckenbach.	16	16	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	6,944
Laurits Swenson [2]	16	17	Nor.	Fred Olsen & Co.	Vancouver, B.C.	Oslo, Norway	Wheat, gen.	7,642
Moveria [2]	16	17	Brit.	Donaldson Brothers	Vancouver, B.C.	Glasgow, Scot.	General	5,495
Taranger [2]	16	16	Nor.	Interocean Line	Vancouver, B.C.	Rotterdam, Neth.	([16])	7,117
Santa Catalina [2]	16	...	Amer.	Grace Line-Panama Mail Service.	S. Francisco, Cal.	Cristobal, C.Z.	General	747
Losada [2]	16	16	Brit.	Pacific Steam Nav. Co	Corral, Chile	Hull, England	General	7,728
Harpasa	16	16	Brit.	J. & C. Harrison	Vancouver, B.C.	Liverpool, Eng.	Lumber, gen.	7,600
Lebore	17	17	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,708
John D. Archbold [1]	16	17	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	21,715
Dakotan	16	17	Amer.	Amer.-Hawaiian Line.	Pt. Angeles, Wash.	Boston, Mass.	General	7,938
Hakubasan Maru [2]	16	17	Jap.	Mitsui Busan Kaisha.	Guiwanon, P.I.	New York, N.Y.	Silk, general.	6,812
Camito	13	17	Brit.	Elders & Fyffes, Ltd.	Balboa, C.Z.	Avonmouth, Eng.	Ballast	.....
Ward [2]	16	18	Amer.	Roosevelt Line	Saigon, China	New York, N.Y.	Sugar, gen.	7,845
Alkmaar	16	18	Neth.	Royal Neth. S.S. Co.	Talcahuano, Chile	Liverpool, Eng.	General	10,584
Antietam	17	17	Amer.	Penn. Shipping Co.	Los Angeles, Cal.	Tiverton, R.I.	Furnace oil	10,768
Kifuku Maru [2]	17	17	Jap.	Kokusai Line	Manila, P.I.	New York, N.Y.	Sugar	7,000
Colorado Springs	17	17	Amer.	Lykes Bros., Ripley Co.	Kobe, Japan	New Orleans, La.	([17])	8,020
West Cape	17	18	Amer.	McCormick S.S. Co.	Tacoma, Wash.	Philadelphia, Pa.	General	7,562
Southern Sun [1] [2]	18	18	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,707
Steel Voyager	18	18	Amer.	Isthmian S.S. Lines	Hilo, T.H.	Baltimore, Md.	([18])	9,243
Santa Ana	18	19	Amer.	Panama Mail S.S. Co.	S. Francisco, Cal.	New York, N.Y.	General	1,776
Peter Hurll [1] [2]	19	19	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	Fawley, Eng.	Crude oil	16,898
Durazzo	19	..	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	([19])	659
Athelviscount [1] [2]	19	19	Brit.	Cie. Francaise de Raf.	Talara, Peru	Havre, France	Crude oil	13,474
Gaelic Star	19	20	Brit.	Blue Star Line, Ltd.	N. West'er, B.C.	Newcastle, Eng.	General	5,339
Schwaben	19	20	Ger.	North German Lloyd.	Vancouver, B.C.	Hamburg, Ger.	General	8,519
Istmo	19	20	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	Coffee	455
District of Columbia. [1] [2]	19	19	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Jacksonville, Fla.	Fuel oil	10,400
San Lorenzo	19	20	Pan.	N. Pinel	Darien, R.P.	Cristobal, C.Z.	Bananas	43
Fernbrook [2]	19	20	Nor.	Fern Line	Bacolod, P.I.	New Orleans, La.	Sugar	8,000
Arizonan	19	20	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Gen., lumber	5,968
Mevania	20	20	Amer.	Shell Oil Co.	Los Angeles, Cal.	New York, N.Y.	([20])	9,235
Trevaylor	20	20	Brit.	Kerr Gifford Co.	Portland, Oreg.	Waterford, I.F.S.	Wheat	7,318
Santa Rita [2]	20	21	Amer.	Grace Line	Talcahuano, Chile	New York, N.Y.	General	3,068
Savannah [1] [3]	19	20	Amer.	U.S. Army	San Diego, Calif.	Buffalo, N.Y.	.....	.....
Point Ancha	20	20	Amer.	Swayne & Hoyt	Powell River, B.C.	Houston, Tex.	General	4,358
Tamiahua [1]	21	21	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil	15,494
Washington Express. [2]	20	21	Nor.	Fruit Express Line	Los Angeles, Cal.	London, Eng.	Citrus fruit	1,800
President Herrenschmidt. [1] [2]	20	21	Nor.	Pechelbronn	Talara, Peru	Antwerp, Belg.	Crude oil	13,271
Dalcross	20	21	Brit.	Anglo-Can. Ship. Co.	Pt. Alberni, B.C.	London, Eng.	([21])	7,950
Queen City	20	21	Brit.	Berth Service	Hinigaran, P.I.	E. coast U.S. [15]	Sugar	8,000
Chateau Thierry [8]	18	22	Amer.	U.S. Army	Balboa, C.Z.	New York, N.Y.	Army stores.	70
Norfold [1] [2]	21	21	Nor.	Johan Rasmussen Co.	Los Angeles, Cal.	Barcelona, Spain.	Fuel oil	9,631
Frank Lynch [2]	21	21	Amer.	Pac. Cont'l Grain Co.	Stockton, Calif.	Wilmington, N.C.	Wheat	3,000
J. L. Luckenbach.	21	21	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	4,194
Virginia	21	22	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	3,438
Belita [1] [2]	21	22	Nor.	Reidar Rod	S. Francisco, Cal.	Salonica, Greece	Gas oil	9,346
Perene	21	22	Peru.	Peruvian Line	Callao, Peru	Iquitos, Peru	General	1,669
Dalworth	22	22	Brit.	Warner Barnes & Co.	Iloilo, P.I.	E. coast U.S.	Sugar	6,700
Koll [1] [2]	22	22	Nor.	Standard Ship. Co.	Talara, Peru	Havre, France	Crude oil	14,219
Real [2]	22	23	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	47
Lochmonar [2]	22	23	Brit.	Royal Mail Lines	Vancouver, B.C.	Rotterdam, Neth.	General	8,296
Akaroa	21	22	Brit.	Shaw, Savill & Albion	Auckland, N.Z.	S'ampton, Eng.	Frozen, gen.	6,530
H. S. Albert II [2]	21	23	Brit.	Ignacio A. Munoz	San Juan del Sur, Nicaragua.	Puerto Cortez, Honduras.	Sugar	63
Resolute	22	22	Ger.	Hamburg-Amer. Line.	New York, N.Y. [14]	New York, N.Y.	Passengers	.....
Sambu [5]	22	23	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	22
Amerikaland [2]	22	23	Swed.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,400
Norfolk	22	23	Brit.	Federal Steam Nav. Co.	Opua, N.Z.	Hook of Holland.	Frozen, gen.	5,091
Cellina [2]	22	23	Ital.	Nav. Libera-Triestina	Vancouver, B.C.	Trieste, Italy	General	8,247
Robin Gray	22	23	Amer.	Luckenbach Gulf Co.	Seattle, Wash.	Mobile, Ala.	General	6,570
Calmar	23	23	Amer.	Calmar S.S. Corp.	Longview, Wash.	Baltimore, Md.	Lumber, gen.	4,199
O. A. Knudsen [1] [2]	23	23	Nor.	Knut Knutsen	Talara, Peru	Havre, France	Crude oil	13,020
Cathwood [1]	22	23	Amer.	Union Oil Co.	Wilmington, Cal.	Tiverton, R.I.	Gasoline	8,400
Elizabeth Kellogg [1]	23	23	Amer.	N.Y. & Philippine Co.	Manila, P.I.	New York, N.Y.	Coconut oil	6,680
Heranger [2]	23	23	Nor.	Interocean S.S. Corp.	Los Angeles, Cal.	Rotterdam, Neth.	Grain, gen.	6,879
Sandar [1] [2]	23	23	Nor.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, D.W.I.	([22])	11,286
Nichiyo Maru [2]	23	25	Jap.	Kawasaki K. Kaisha.	Iloilo, P.I.	Galveston, Tex.	General	6,589
Poseidon	23	24	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General	8,783

[1] Tanker. [2] Motor ship. [5] Launch. [8] Transport. [13] Dredge. [14] Around the world. [15] For orders. [16] Wheat, lumber, general. [17] Sugar, fish oil. [18] Sugar, pineapples. [19] Cocoa, coffee, general. [20] Special naphtha. [21] Grain, lumber. [22] Kerosene distillate.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Sage Brush	23	24	Amer.	Shepard S.S. Co	Seattle, Wash	Boston, Mass	Lumber, gen.	7,903
Jonna	23	24	Dan.	Cia.Frutera Sud.Amer	Talcahuano,Chile	Rotterdam, Neth.	Fresh apples.	960
Tohsei Maru	24	25	Jap.	Kawasaki S.S. Co	Manila, P.I	Baltimore, Md	General	5,684
New Westminster City.	24	24	Brit.	Reardon Smith Line	Manila, P.I	Cape Hatteras [14]	Copra, sugar	8,000
El Oso [1]	24	24	Brit.	C. T. Bowring & Co.	LaLibertad,Ecua.	EllesmerePt.,Eng	Crude oil	9,671
Hoxbar [1]	24	24	Amer.	U.S. Navy	Los Angeles, Cal.	Norfolk, Va	Fuel oil	10,600
Indien [2]	24	24	Dan.	S.S. Co. "Orient"	Vladi'k, U.S.S.R.	Cobh, I.F.S	Soy beans	7,823
Reina del Pacifico [2]	24	25	Brit.	Pacific Steam Nav. Co	Talcahuano,Chile	Liverpool, Eng	General	5,904
Harry G. Seidel [1, 2]	24	25	Danz.	Standard Ship. Co	Talara, Peru	Rotterdam, Neth.	Gasoline	14,691
San Pedro	24	25	Amer.	States S.S. Co	Hinigaran, P.I	New York, N.Y.	Sugar	8,500
Filleigh	24	25	Brit.	Canadian Transp. Co.	Chemainus, B.C.	Devonport, Eng.	Grain, lum'r.	7,400
Katsuragi Maru [2]	25	26	Jap.	Kokusai Kisen Kaisha	Manila, P.I	New York, N.Y.	Silk, general.	6,724
Acajutala	25	...	Brit.	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z	General	531
Cali	25	...	Ger.	North German Lloyd.	Guayaquil,Ecuad	Cristobal, C.Z	General	1,006
Mary Ann [2, 3]	...	...	Amer.	U.S. Navy	Balboa, C.Z	Cristobal, C.Z	.....	.....
Brand [2]	25	26	Nor.	Comyn & Sons	Vancouver, B.C.	Rotterdam, Neth.	Lumber, gen.	7,450
Allan Jackson [1]	25	26	Amer.	Standard Ship. Co	Los Angeles, Cal.	Chelsea, Mass	Fuel oil	10,091
Missourian [2]	26	26	Amer.	Amer.-Hawaiian Line.	Seattle, Wash	Boston, Mass	Lumber, gen.	8,162
Avance [2, 6]	26	26	Pan.	A. M. Stanton	Cocos Islands	San Blas, R.P	Ballast	.....
Chifuku Maru	26	26	Jap.	Kokusai Kisen Kabushiki Kaisha.	Iloilo, P.I	E. coast U.S. [14]	Sugar	6,997
Pat Doheny [1]	26	26	Amer.	Sun Oil Co	Los Angeles, Cal.	Marcus Hook,Pa.	Gasoline	9,500
Tai Shan [2]	26	28	Pan.	Wilh. Wilhelmsen	Davao, P.I	New York, N.Y.	Sugar, gen	4,564
President Cleveland.	27	27	Amer.	Dollar Line	S. Francisco, Cal.	New York, N.Y.	General	1,069
Mauna Kea	26	27	Amer.	Matson Nav. Co	Honolulu, T.H	Gulf ports U.S. [14]	Raw sugar	8,480
Point Arena	26	27	Amer.	Gulf-Pacific Lines	S. Francisco, Cal.	Beaumont, Tex	([15])	4,320
D. G. Scofield [1]	27	27	Amer.	Standard Ship. Co	Los Angeles, Cal.	Providence, R.I.	Fuel oil	10,805
K. R. Kingsbury [1]	27	27	Amer.	Standard Ship. Co	El Secundo, Cal.	Boston, Mass	Fuel oil	10,772
Saarland	27	27	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger	General	7,667
Virginia Nicolaou.	27	27	Pan.	G. Nicolaou, Ltd	Pulupandan, P.I.	Philadelphia, Pa.	Sugar	8,650
Kwansai Maru [2]	27	28	Jap.	Osaka Shosen Kaisha.	Cebu, P.I	Baltimore, Md	Sugar, gen	8,176
Santa Rosa	27	28	Amer.	Grace Line	Seattle, Wash	New York, N.Y.	General	3,020
Scandia [1]	27	28	Dan.	Det. Danski. Pet. Aktieselskab.	Talara, Peru	Rotterdam, Neth.	Gas oil	11,302
Alaska	27	29	Fr.	French Line	Valparaiso, Chile.	Havre, France	Coffee, nit'te	8,042
Lapwing [4]	...	...	Amer.	U.S. Navy	Balboa, C.Z	Cristobal, C.Z	Towingbarge	.....
Juanita [1]	27	28	Venez.	The Shell Co	Balboa, C.Z	Maracaibo, Venez	Ballast	.....
Levenbridge	28	28	Brit.	Inter. Freighting Co	Iquique, Chile	Jacksonville, Fla.	Nitrates	6,900
Nuevo Panama [2]	28	30	Pan.	Elliot Ship. & Land Co.	B'ventura, Col	Cristobal, C.Z	Coffee	215
Caterina [2]	28	30	Brit.	F. H. Fisher	J. Diaz Riv., R.P.	Pensacola, Fla	Logs	700
Lundby [2]	28	29	Dan.	Bethlehem Steel Corp.	Whyalla, S.A	Baltimore, Md	Iron ore	6,312
Annie Johnson [2]	29	30	Swed.	Johnson Line	S. Francisco, Cal.	Stockholm, Swed.	Barley, gen.	4,839
Real [2]	29	30	Pan.	Elliot Ship. & Land Co.	El Real, R.P	Cristobal, C.Z	Bananas	47
San Lorenzo [2]	29	30	Pan.	A. Valdes	Bayano, R.P	Cristobal, C.Z	Bananas	22
Sambu [5]	29	30	Pan.	Elliot Ship. & Land Co.	El Real, R.P	Cristobal, C.Z	Bananas	23
CarolineMaersk [1, 2]	28	29	Dan.	A. P. Moller	Talara, Peru	Pt. de Boue, Fr.	Crude oil	12,268
Oregonian	29	29	Amer.	Amer.-Hawaiian Line.	Portland, Oreg	Boston, Mass	Lumber, gen.	5,428
Fernmoor [2]	29	29	Nor.	Fern Line	Iloilo, P.I	E. coast U.S. [14]	Raw sugar	7,500
Noreg [2, 2]	29	29	Nor.	H. M. Wrangell & Co.	LaLibertad,Ecua.	Havre, France	Crude oil	11,681
City of Rayville [2]	29	29	Amer.	Roosevelt S.S. Co	Adelaide, Aus'lia.	Boston, Mass	([16])	6,202
Calgarolite [1, 2]	29	30	Brit.	Imperial Oil Co	Talara, Peru	Montreal, Can	Crude pet	17,019
Mary Ann [2, 3]	...	...	Amer.	U.S. Navy	Balboa, C.Z	Cristobal, C.Z	.....	.....
Lycia [2]	28	30	Brit.	Canadian Transp. Co.	N. West'er, B.C.	St. Kitts, B.W.I.	Lumber, gen.	4,350
Fernhill [2]	30	30	Nor.	Fern Line	Manila, P.I	E. coast U.S. [14]	Sugar	7,275
Moldanger [2]	30	30	Nor.	Interocean S.S, Corp.	Vancouver, B.C.	Rotterdam, Neth.	Grain, gen	7,700
Santa Maria [2]	30	30	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	4,110
F. J. Luckenbach.	30	30	Amer.	Luckenbach Line	Seattle, Wash	Boston, Mass	General	4,137
Vinland [2]	30	30	Nor.	Den. Skandinviske Sydney Pacific Line.	Tocopilla, Chile.	Liverpool, Eng	General	6,585
H. M. Storey [1]	30	30	Amer.	Standard Ship. Co	Los Angeles, Cal.	Norfolk, Va	Fuel oil	13,700
Rangitata [2]	30	30	Brit.	N.Z. Shipping Co	Auckland, N.Z.	London, Eng	Frozen, gen.	6,868
Bethore	30	31	Amer.	Ore S.S. Corp	Cruz Gr'de, Chile	Baltimore, Md	Iron ore	21,000
Winnipeg	30	1	Fr.	French Line	Vancouver, B.C.	Havre, France	General	7,189
Livingston Roe [4]	30	31	Amer.	Standard Ship. Co	Los Angeles, Cal.	Portland, Oreg	Fuel oil	11,668
Toba Maru	30	31	Jap.	Nippon Yusen Kaisha	Iloilo, P.I	New York, N.Y.	General	8,885
Pacific Exporter [2]	30	31	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Glasgow, Scot	General	8,599
Eisenach	31	31	Ger.	North German Lloyd.	Corral, Chile	Hamburg, Ger	General	4,868
Lubrico [2]	31	31	Amer.	Sun Oil Co	Los Angeles, Cal.	Marcus Hook,Pa.	Gasoline	9,300
Canadian Highlander.	31	1	Brit.	Can. Nat. Steamships	Brisbane, Aus'lia.	Montreal, Can	General	1,800
Tacoma City	31	31	Brit.	Reardon Smith Line	Vancouver, B.C.	Cardiff, Wales	General	7,612
Canadian Farmer.	30	1	Fin.	Anglo-Can. Ship. Co	Vancouver, B.C.	London, Eng	Grain, lum'r.	2,960
Glenardle	1	2	Brit.	A. Weir & Co	Tocopilla, Chile.	Alexandria,Egypt	Nitrates	6,804
Cedarbank	1	2	Brit.	A. Weir & Co	Iloilo, P.I	Baltimore, Md	Sugar, copra.	8,500
Larry Doheny [1]	1	2	Amer.	Richfield Oil Co	Los Angeles, Cal.	Paulsboro, N.J	([17])	10,422
Baarn	1	2	Neth.	Royal Neth. S.S. Co	Corral, Chile	Hamburg, Ger	General	6,711

[1] Tanker. [2] Motor ship. [4] Tug. [5] Launch. [6] Yacht. [13] Crane. [14] For orders. [15] Sugar, dicalite. [16] Iron ore, general. [17] Asphalt cut back.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Hertford	1	2	Brit.	N.Z. Shipping Co.	Pt.Chalmers,N.Z.	Glasgow, Scot.	Frozen, gen.	7,482
Makiki	2	2	Amer.	Matson Nav. Co.	Kahului, T.H.	E. coast U.S.[14]	Sugar	8,053
W. S. Rheem[1]	2	2	Amer.	Standard Ship. Co.	El Segundo, Cal.	New York, N.Y.	Fuel oil	15,048
Kansan	2	2	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	5,283
Orville Harden[1 2]	2	2	Danz.	Waried Tankschiff	Talara, Peru	Fawley, Eng.	Crude oil	17,489
J. M. Danziger[1]	3	3	Amer.	Standard Ship. Co.	El Segundo, Cal.	Jacksonville, Fla.	Fuel oil	10,270
Uganda	3	3	Brit.	Canadian Transp. Co.	Chemainus, B.C.	Montreal, Can.	Lumber	5,854
Cerigo	3	11	Ger.	Hamburg-Amer. Line.	Guayaquil,Ecuad	Cristobal, C.Z.	Coffee, gen.	1,033
Steel Engineer	3	3	Amer.	Isthmian S.S. Lines	Vancouver, B.C.	Avonmouth, Eng.	General	7,683
Marore	4	4	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,000
Laguna[2]	3	4	Brit.	Pacific Steam Nav. Co	Coronel, Chile	Hull, England	General	7,430
Santa Elisa	3	4	Amer.	Grace Line	Talcahuano,Chile	New York, N.Y.	General	4,382
Point Brava	3	4	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	([15])	5,267
Edgehill	3	4	Amer.	Lykes Bros.-Ripley	Manila, P.I.	New Orleans, La.	Raw sugar	8,500
Yahiko Maru[2]	4	4	Jap.	Mitsui & Co.	Iloilo, P.I.	Boston, Mass.	Sugar, gen.	7,353
Sunoil[1 2]	4	4	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,424
Elisha Walker[1]	4	5	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,895
Willboro	4	4	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Albany, N.Y.	Lumber, gen.	6,692
Pennsylvania	4	5	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N.Y.	General	3,384
Nuevo Panama[2]	4	9	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	([16])	220
Real[2]	5	6	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	45
Sambu[5]	4	6	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	27
Vernon City	5	5	Brit.	Reardon Smith Line	Vlad'k, U.S.S.R.	Cobh, Ireland	Soy beans	8,200
Europa[2]	5	5	Dan.	East Asiatic Co.	Vancouver, B.C.	Copenhagen, Den	([17])	8,399
Uyo Maru[2]	5	6	Jap.	Kawasaki K. Kaisha	Manila, P.I.	Baltimore, Md.	Sugar, gen.	7,978
Felix Taussig	4	6	Amer.	McCormick S.S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	5,437
Athelregent[1 2]	5	6	Brit.	P. Drewery	LaLibertad,Ecua.	Havre, France	Crude oil	13,542
Anna Maersk[2]	5	6	Dan.	Isbrandtsen Moller	Manila, P.I.	Baltimore, Md.	General	7,069
Steelore	7	7	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,000
Arwyco	7	7	Brit.	Macmillan Export Co.	Vancouver, B.C.	Pensacola, Fla.	Lumber, logs	1,007
Frank G. Drum[1]	6	7	Amer.	Associated Oil Co.	S. Francisco, Cal.	Bayonne, N.J.	Fuel oil	10,300
Fordsdale	7	8	Brit.	Shaw, Savill & Albion	Timaru, N.Z.	London, Eng.	General	4,890
Narenta	7	8	Brit.	Royal Mail Lines	Victoria, B.C.	Rotterdam,Neth.	General	6,830
Istmo	7	8	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Manaure, Col.	Coffee	603
California Standard.[1 2]	7	8	Amer.	Standard Oil Co.	Richmond, Calif.	London, Eng.	Gasoline	15,076
Mahia	8	9	Brit.	Shaw, Savill & Albion	Nelson, N.Z.	London, Eng.	Frozen, gen.	6,785
Gulfcrest[1 2]	8	9	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	14,306
Salvador	8	...	Brit.	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z.	General	906
Oregon Express[2]	8	9	Nor.	Fruit Express Line	Los Angeles, Cal.	Glasgow, Scot.	Fresh fruit	1,231
Nevadan	9	9	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass.	General	4,886
Knut Hamsun	9	9	Nor.	Chilean Nitrate Corp.	Iquique, Chile	Jacksonville, Fla.	Nitrates	8,500
Dorothy Luckenbach.[1 2]	9	9	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	4,327
Manizales	9	...	Ger.	North German Lloyd.	Guayaquil,Ecuad	Cristobal, C.Z.	General	839
Icy V[5]	...	...	Amer.	L. H. Brereton	Balboa, C.Z.	Cristobal, C.Z.	Ballast	.....
President Pierce	10	10	Amer.	Dollar Line	Manila, P.I.	New York, N.Y.	General	3,346
Nankai Maru[2]	9	11	Jap.	Osaka Shosen Kaisha.	Manila, P.I.	Baltimore, Md.	General	5,643
Beaconhill[1]	10	10	Amer.	Shell Oil Co.	Los Angeles, Cal.	New York, N.Y.	([18])	9,160
Nansenville[2]	10	10	Nor.	Fred Olsen Line	Vancouver, B.C.	Liverpool, Eng.	General	5,439
Gulfwax[1]	10	10	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	13,572
Mallard	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	Towingbarge	.....
Barge No. 2	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
Rotorua	10	10	Brit.	N.Z. Shipping Co.	Lyttleton, N.Z.	London, Eng.	Frozen, gen.	5,441
Santa Elena	10	11	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	General	2,736
William Rockefeller.[1]	10	11	Amer.	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	21,498
Portland[2]	10	12	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	8,000
Harold Walker[1]	11	11	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,800
Minden	11	12	Ger.	North German Lloyd.	Corral, Chile	Hamburg, Ger.	General	5,313
Cities Service Toledo.[1]	11	12	Amer.	CitiesServ.Transp.Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	12,400
Australind[2]	12	12	Brit.	Tiebachi Chrome Co.	Noumea,N.Caled	New York, N.Y.	Chrome ore	8,330
Berganger[2]	12	13	Nor.	Interocean Line	Vancouver, B.C.	Rotterdam,Neth.	Grain, gen.	8,207
Sambu[5]	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	23
San Lorenzo	12	13	Pan.	A. Valdes	Darien, R.P.	Cristobal, C.Z.	Bananas	61
Tuira[2]	12	13	Pan.	Elliot Ship. & Land Co.	Dairen, R.P.	Cristobal, C.Z.	Bananas	28
Antioquia[9]	29	12	Col.	Colombian Govt.	B'ventura, Col.	Cartagena, Col.	.....	1,258
Silverpalm[2]	12	12	Brit.	Silver Line, Ltd.	Calcutta, India[13]	Calcutta, India	General	5,834
Indra[2]	12	12	Nor.	Knut Knutsen	Talcahuano,Chile	Oslo, Norway	General	7,118
Mantilla[2]	9	12	Nor.	United Fruit Co.	Balboa, C.Z.	Curacao, D.W.I.	Ballast	.....
Retriever[5]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
C. O. Stillman[1 2]	12	13	Brit.	International Pet. Co.	Talara, Peru	Halifax, Canada.	Crude oil	21,549
New Orleans[2]	12	13	Amer.	Roosevelt S.S. Co.	Iloilo, P.I.	Baltimore, Md.	Sugar, gen.	7,375
Anglo African	13	13	Brit.	Anglo-Can. Ship. Co.	N. West'er, B.C.	London, Eng.	Zinc, lumber	9,079
Hoperange[2]	13	14	Brit.	Vancouver-St. Law'ce	Vancouver, B.C.	Montreal, Can.	Lumber, gen.	7,264
Santa Barbara[2]	13	13	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	3,205
Gracia	13	13	Brit.	Donaldson Bros.	Vancouver, B.C.	Glasgow, Scot.	General	5,533

[1] Tanker. [2] Motor ship. [5] Launch. [9] Destroyer. [13] Around the world. [14] For orders. [15] Lumber, sugar, general. [16] Coffee, Panama hats. [17] Grain, fruit, lumber. [18] Gasoline, kerosene.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Beaconoil [1]	13	13	Amer.	Shell Oil Co	Los Angeles, Cal.	Fall River, Mass.	([13])	9,218
Ashleigh	13	13	Brit.	Anglo-Can. Ship. Co.	Victoria, B.C.	S'ampton, Eng.	Grain, lum'r.	8,625
Iris	13	16	Neth.	Royal Neth. S.S. Co.	Guayaquil, Ecuad	Pto. Col'bia, Col.	General	766
Chilore	14	14	Amer.	Ore S.S. Corp	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,650
Pacific President [2]	13	14	Brit.	Furness, Withy & Co.	Vancouver, B.C.	Manchester, Eng.	General	7,623
Trojan Star	13	14	Brit.	Blue Star Line	N. Plym'th, N.Z.	Glasgow, Scot.	Frozen, gen.	5,652
F. W. Abrams [1]	14	14	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Providence, R.I.	Fuel oil	13,351
Columbian	15	15	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass.	General	4,101
Willkeno	15	15	Amer.	Williams S.S. Corp.	S. Francisco, Cal.	Baltimore, Md.	General	2,356
Lapwing [4]	...	...	Amer.	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
San Mateo	15	16	Fr.	French Line	SanAntonio, Chile	Le Havre, France	General	7,647
Nuevo Panama	15	17	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	([14])	226
Marian Otis Chandler.	15	16	Amer.	Matson-L. A. S.S. Co.	Pt. Allen, T.H.	New Orleans, La.	Sugar, gen.	7,542

[1] Tanker. [2] Motor ship. [4] Tug. [13] Gasoline, kerosene. [14] Coffee, alcohol, hats.

Notice to Mariners

Coast of Panama, Pacific Ocean, Montijo Bay, English rock gas buoy established. Panama Canal notice to mariners No. 315, dated May 19, 1934, stated that on May 18, 1934, a lighted buoy, painted black, showing a flashing white light was established 300 feet, 100° true, from center of English rock, in 7 fathoms of water at mean low water, on the following bearings:

Triangulation station, Point Arto Viejo 66° true.
Triangulation station, Point Duartis 147°14′ true.
Triangulation station, Point Isla Cebaco 271°42′ true.

Characteristic: White, flashing 0.5 second light, 4.5 seconds dark, 12 flashes per minute. Focal plane: 16 feet; visible 6 miles. A first-class spar buoy marking the position, painted black, was placed near the lighted buoy.

Applications for Positions as Pilot and Towboat Engineer in the Panama Canal Service

During the depression in shipping The Panama Canal has employed no new personnel in these positions. The result is that the applications for employment now on file are largely out of date, and although there is no immediate indication of need of additional men, the Canal will be pleased to receive applications from qualified American citizens. Applications should be addressed to the Chief of Office, The Panama Canal, Washington, D.C.

The basic qualifications for pilot are: United States citizenship; high school education or two years of high school plus a course in a State nautical training school; master's license for unlimited tonnage on seagoing vessels, or both master's and pilot's unlimited license on inland or Great Lakes steamers; 10 years' seagoing experience, covering at least 7 years service as an officer and one of the 7 years as master under unlimited license; good health, and age not over 35 years. Other facts being equal, preference will be given to ex-service men of the Navy and Coast Guard and men employed on the floating equipment of The Panama Canal, and age limit will be extended in such cases not to exceed 5 years. At the present time appointments are authorized at the rate of $266.67 per month as pilot in training, and providing the employee's services are satisfactory in all respects, advancement may be made to a maximum rate of $416.67 per month after the completion of an 18 months' training period, provided there is a vacancy.

In submitting applications it is important to describe fully any towboat experience and/or experience in handling large vessels around docks without the assistance of towboats. It should be stated further how many, if any, of the following positions the applicant would be willing to accept with the possibility of being made a pilot at a later date, it being understood, however, that The Panama Canal cannot guarantee a vacancy in or appointment to the latter position; present entrance rates per month are quoted:

Harbormaster	$395.83	Master, U.S. *Favorite*	$377.00
Coxswain-engineer	163.00	1st Mate, U.S. *Favorite*	272.00
Dock foreman	214.00	2d Mate, U.S. *Favorite*	247.00
Master, towboat	305.00	Operator-machinist (Diesel-tug)	261.00

The Panama Canal is also desirous of renewing its eligibility list for towboat engineers. Applicants for this position must be not over 45 years old. Applicants should state what Federal licenses are held and give a complete summary of all engineering experience. At present entrance rates for marine engineers range from $163 to $300 per month, depending upon the class of equipment to which the employee is assigned. Applications should be forwarded to the same address as for pilots.

It will be appreciated if marine journals of the United States will give publicity to this notice.

THE PANAMA CANAL RECORD

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Certificate.—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXVII. Balboa Heights, C.Z., July 15, 1934. No. 12.

Traffic Through the Panama Canal in June 1934

The total vessels of all kinds transiting the Canal during the month of June in the two preceding years and in 1934 are shown in this tabulation:

Class	June 1932	June 1933	June 1934		
			Atlantic to Pacific	Pacific to Atlantic	Total
Commercial ocean vessels	336	364	219	172	391
Launches (under 20 tons)	11	11	16	6	22
Noncommercial vessels:					
U. S. Government	40	20	11	9	20
Colombian Government	.....	.....	.....	1	1
Vessels transiting solely for repairs	.....	.....	1	1	2
Total	387	395	247	189	436

COMMERCIAL TRAFFIC [1]

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected, from the commercial traffic transiting the Canal each month for the fiscal year ended June 30, 1934, as compared with the same months in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1932-33	1933-34	1932-33	1933-34	1932-33	1933-34	1932-33	1933-34
July	326	401	1,676,492	2,051,128	1,259,981	1,699,039	1,468,728.36	1,732,164.93
August	314	416	1,658,112	2,159,995	1,349,453	1,914,014	1,440,848.87	1,829,754.49
September	353	408	1,868,391	2,096,538	1,347,144	1,797,497	1,598,265.98	1,758,587.41
October	394	467	1,988,133	2,416,200	1,582,261	2,125,927	1,714,779.06	2,036,909.16
November	388	463	2,035,796	2,395,359	1,531,509	1,949,913	1,756,865.84	2,001,692.77
December	431	496	2,080,069	2,617,656	1,621,581	2,191,683	1,781,940.03	2,204,134.64
January	415	500	2,069,218	2,582,131	1,463,503	2,087,292	1,762,808.56	2,160,679.83
February	368	468	1,832,658	2,462,760	1,434,862	2,124,440	1,575,708.35	2,079,696.80
March	399	538	1,989,044	2,703,372	1,738,227	2,465,387	1,718,908.41	2,281,485.72
April	370	495	1,839,597	2,493,606	1,527,978	2,291,392	1,554,250.14	2,121,678.33
May	372	490	1,883,249	2,567,555	1,629,982	2,303,411	1,617,943.65	2,148,026.66
June	364	391	1,901,117	2,020,295	1,691,247	1,768,656	1,629,411.28	1,708,978.71
Total	4,494	5,533	22,821,876	28,566,595	18,177,728	24,718,651	19,620,458.53	24,063,789.45

[1] Commercial traffic includes all ocean-going vessels paying tolls. Naval and other vessels owned and operated in the Government service of the United States and Panama, war vessels of Colombia, and vessels transiting solely for repairs are exempt from the payment of tolls. Statistics on vessels not paying tolls are shown under "Noncommercial traffic."

Summary of Traffic by Nationality of Vessels for June 1934

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	85	477,883	372,849	Netherland	6	27,640	19,280
Colombian	1	307	.....	Norwegian	31	144,025	119,852
Danish	5	29,901	36,562	Panamanian	22	14,611	12,458
Danzig	7	55,191	68,601	Peruvian [1]	2	.....	.....
Finnish	1	1,833	2,960	Swedish	7	37,744	51,561
French	10	37,254	24,988	United States	164	958,719	834,930
German	20	70,418	64,444	Russian	2	232	.....
Italian	6	41,384	8,179	Yugoslav	1	4,701	9,250
Japanese	21	118,452	142,742	Total	391	2,020,295	1,768,656

[1] Naval vessels of 2,300 tons displacement

Traffic by Trade Routes, June 1934

The movement of vessels over trade routes is summarized in the following table. They are classified according to primary origin and ultimate destination of the voyage through the Canal and the cargo listed is the total aboard at time of transit. Cargo may be laden or discharged between the terminal areas indicated, hence in the cargo listed below there may be some which had other origin or destination:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	65	385,777	134,967	48	301,621	412,840
East coast United States and:						
Canada	1	4,827	.....	3	10,386	14,042
South America	14	74,360	14,172	11	51,919	137,421
Australasia	2	9,872	10,299	2	11,913	8,330
Hawaiian Islands	.....	.....	.....	5	25,123	40,335
Philippine Islands	3	21,263	7,751	16	101,856	114,267
Far East	28	151,980	163,173	1	6,246	3,696
Canadian intercoastal	4	15,227	14,305	2	9,278	13,118
East coast Canada and:						
United States	2	7,916	6,772	.....	.....	.....
South America	4	25,404	6,681	2	14,340	28,908
Australasia	4	19,766	16,880	1	4,139	4,923
Far East	2	9,620	5,735	.....	.....	.....
Europe and:						
United States	4	17,370	4,846	4	18,024	25,901
Canada	21	125,683	50,548	23	131,378	167,400
South America	17	95,186	22,845	16	96,517	169,554
Hawaiian Islands	1	5,533	4,117	.....	.....	.....
Australasia	8	63,751	24,857	10	82,894	57,327
Far East	.....	.....	.....	2	10,883	16,550
East coast South America and:						
Canada	2	10,057	7,429	1	4,842	3,767
Far East	1	5,821	3,448	.....	.....	.....
South American intercoastal	1	620	46	3	3,131	1,794
Cristobal and:						
United States	1	2,010	772	2	4,616	1,667
Central America	7	4,478	2,522	2	1,445	1,437
South America	8	4,013	2,475	10	5,145	5,263
Balboa	3	78	.....	6	198	275
West Indies to Central America	1	6,054	9,825	.....	.....	.....
West Indies to United States	3	16,107	.....	.....	.....	.....
West Indies to Canada	1	4,757	8,000	.....	.....	.....
Around the world	2	17,702	4,728	1	6,307	5,844
Vessels not engaged in commerce (yachts, etc.)	7	347	.....	.....	.....	.....
Foreign vessels in ballast (U.S. intercoastal)	2	8,986	.....	.....	.....	.....
South America and Egypt	.....	.....	.....	1	3,529	6,804
Total	219	1,114,565	527,193	172	905,730	1,241,463

Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in June 1934, and its destination by major geographical trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	147,579	9,198	167,151	14,243	12,174	350,345
Other North America	9,287	34,148	4,422	11,798	15,005	74,660
Europe	28,611	18,729	21	19,570	24,690	91,621
Miscellaneous	6,146	2,671	1,472	111	167	10,567
Total	191,623	64,746	173,066	45,722	52,036	527,193

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	413,089	50,939	70,282	3,045	537,355
Canada	4,777	15,596	122,250	2,770	145,393
Other North America	416	3,391	561	.....	4,368
South America	134,925	39,089	168,475	7,255	349,744
Australasia	9,440	4,672	56,468	.....	70,580
Asia	113,804	3,669	16,550	.....	134,023
Total	676,451	117,356	434,586	13,070	1,241,463

Principal Commodities

Commodities which aggregated 10,000 or more tons either during the past month or in the corresponding month in 1933 are listed below:

Commodity	June 1933	June 1934	Commodity	June 1933	June 1934
Atlantic to Pacific			*Pacific to Atlantic*—Continued		
Automobiles and parts	10,022	16,641	Canned goods (various)	71,345	38,037
Canned goods (various)	12,232	6,099	Coffee	12,016	10,267
Coal and coke	13,323	14,883	Cold storage (food products) [1]	11,771	40,399
Cotton, raw	25,121	38,946	Flour	24,259	6,454
Iron and steel, manufactures of	58,390	94,213	Fruit, dried	13,078	16,556
Metals	5,374	10,836	Fruit, fresh	14,408	17,850
Oils, mineral	27,793	28,784	Lumber	167,118	79,330
Ores	53	10,835	Metals	40,076	34,557
Paper	18,832	29,484	Nitrates	25,148	37,256
Phosphates	27,784	22,908	Oats	8,948	10,455
Scrap metal	51,429	53,013	Oils, mineral	340,225	474,537
Sulphur	10,442	2,673	Oils, vegetable	12,391	6,303
Tinplate	17,312	16,404	Ores (principally iron)	13,290	129,594
			Soy beans	261	16,550
Pacific to Atlantic			Sugar	161,740	126,793
Asphalt and tar	783	10,885	Wheat	156,370	66,865
Barley	21,464	8,975	Wool	11,904	10,570

[1] Does not include fresh fruit.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of June 1934, as reported in the cargo declarations, showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations small items are frequently grouped under the desgination of "general cargo;" the statistics are accordingly not precise, but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts	.....	.....	223	.....
Agricultural implements	687	.....	2,459	35
Alfalfa meal	.....	1,281	.....	1,341
Ammonium compounds	426	.....	4,134	.....
Animal foods [1]	56	477	76	531
Apparel, wearing (hats, shoes, clothing, etc.)	111	.....	119	.....
Asbestos	391	.....	415	.....
Asphalt and tar	199	10,474	5,219	10,885
Automobiles (and autotrucks)	968	139	9,718	143
Automobile parts and accessories	162	.....	6,923	52
Bags and bagging, textile	48	.....	488	329
Bananas	.....	.....	.....	849
Barks, miscellaneous	.....	.....	.....	187
Barley	.....	1,909	.....	8,975
Beans, edible, dry	70	2,739	70	6,526
Beer	14	.....	28	1
Beverages, nonalcoholic	34	.....	59	.....
Blood and tankage	.....	.....	.....	132

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Bones and bone meal	.....	23	793	23
Books and printed matter	7	.....	17	.....
Borax	.....	605	1	7,438
Bran and pollards	.....	400	4	2,219
Bricks and tile	161	.....	413	.....
Camphor, crude	.....	.....	.....	25
Canned and preserved goods:				
Fish	273	4,037	540	6,674
Fruit	503	9,033	503	22,334
Meat	97	19	822	210
Milk	.....	.....	119	104
Soup	1,100	278	1,202	278
Vegetables	426	1,397	522	1,652
Miscellaneous and unclassified	2,104	6,442	2,391	6,785
Carbon black	310	43	348	65
Celite	.....	196	.....	300
Cement	406	.....	7,931	445
Chalk	.....	.....	686	.....
Charcoal	66	55	66	55
Chemicals [1]	2,608	524	6,735	677
Clay, china and fire	296	.....	395	100
Clay, filtering	.....	229	.....	229
Coal	1,741	.....	6,468	.....
Cocoa and cacao beans	153	.....	628	2,865
Coconuts and products [1]	165	385	173	1,194
Coffee	67	15	4,168	10,267
Coke	280	.....	8,415	.....
Cold storage and refrigerated products:				
Dairy products	.....	.....	168	16,778
Eggs	.....	60	.....	134
Fish	11	.....	60	187
Lard	.....	.....	128	.....
Meats	47	36	164	22,966
Vegetables	.....	.....	3	30
Other and unclassified	152	71	156	304
Confectionery	438	.....	470	.....
Copra	.....	.....	.....	5,442
Copra meal and cake	.....	.....	868	.....
Corn	893	.....	3,457	41
Cotton, raw	677	121	38,946	6,039
Drugs and medicines	848	27	917	33
Dyes	.....	.....	662	.....
Earthenware	19	.....	263	.....
Eggs, dried	.....	.....	.....	87
Electrical apparatus and appliances	195	11	375	65
Explosives	42	51	983	65
Extract, quebracho	.....	.....	421	.....
Fertilizers [1]	13	48	201	148
Fish meal	.....	371	1	2,860
Floor coverings	945	578	955	1,352
Flour	276	3,395	1,202	6,454
Fruit, dried	.....	4,382	56	16,556
Fruit, fresh [1]	.....	1,194	.....	17,850
Furniture and household goods	366	79	395	84
Gallnuts	.....	.....	.....	60
General	16,450	2,787	49,888	12,355
Glass and glassware	1,954	24	3,189	433
Glue	50	188	293	188
Groceries	940	.....	1,214	6
Gums	.....	32	.....	279
Hair, all kinds	.....	11	.....	21
Hay	.....	249	120	270
Hemp, unmanufactured	.....	194	15	2,123
Honey	.....	35	.....	177
Hops	.....	.....	.....	26
Horns and hoofs	.....	.....	227	.....
Infusorial earth	.....	391	.....	712
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	61,797	540	94,213	744
Ivory nuts	.....	.....	40	1,945
Jute, unmanufactured	50	.....	70	.....
Lard substitute	1,050	.....	1,050	.....
Liquors	1,130	254	2,331	322
Lumber (including manufactured mill products)	1,486	14,036	1,775	79,330
Machinery	2,171	182	7,465	219
Malt	12	5	520	5
Manufactured goods [1]	2,564	.....	3,828	277
Marble and granite	270	.....	349	.....
Matches	318	54	386	115

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Metals:				
Antimony	.....	.....	.....	322
Copper	212	3,767	3,943	22,199
Gold and silver	.....	.....	1	36
Iron	438	135	3,271	135
Lead	15	990	2,615	7,855
Tin	75	86	113	721
Zinc	45	.....	452	2,855
Other and unclassified	40	390	441	434
Milk, powdered	.....	334	63	697
Molasses and syrups	78	.....	86	.....
Nitrate	151	.....	3,007	37,256
Nuts, edible (including meats)	39	110	296	246
Oats	.....	1,401	.....	10,455
Oils, mineral:				
Crude	.....	.....	104	112,992
Gas and fuel	29	216,876	9,854	225,270
Gasoline, benzine, and naphtha	42	88,302	2,222	124,622
Kerosene	.....	11,430	19	11,435
Lubricating and greases	9,028	150	16,585	218
Oils, vegetable:				
Coconut	.....	.....	.....	3,972
Cottonseed	287	.....	332	.....
Linseed	54	.....	391	.....
Olive	.....	49	271	49
Rapeseed	.....	.....	.....	490
Wood	61	51	64	1,305
Other and unclassified	187	.....	383	487
Oil, fish	11	1,533	46	1,582
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	.....	142	200	390
Oilseed cake and meal	.....	45	.....	1,376
Ores:				
Antimony	.....	.....	.....	25
Chrome	.....	.....	.....	8,330
Copper	.....	.....	.....	4,243
Gold and silver	.....	.....	3,440	291
Iron	.....	.....	365	109,650
Lead	.....	.....	4,716	1,221
Manganese	55	27	55	1,827
Tin	.....	.....	.....	846
Zinc	23	.....	23	3,116
Other and unclassified	.....	.....	2,236	45
Paints and varnishes	663	50	1,555	53
Paper and paper products [1]	7,982	1,581	29,484	4,798
Paper scrap	.....	669	63	669
Peanuts	359	.....	359	4
Peas, dry	.....	.....	.....	677
Peatmoss	.....	.....	551	.....
Phosphates	399	.....	22,908	.....
Plaster	.....	.....	.....	42
Porcelainware	20	43	201	2,990
Potash	.....	236	4,839	336
Pyrethrum flowers	.....	.....	.....	23
Rags and waste	65	114	193	798
Railroad material	.....	.....	2,223	.....
Rice	518	423	805	1,121
Rope and twine	309	22	1,353	132
Rosin	582	.....	4,183	.....
Rubber:				
Manufactured	1,313	53	1,793	163
Raw	.....	42	.....	981
Scrap	.....	117	73	167
Salt	433	.....	3,648	250
Sand	.....	.....	2,648	16
Scrap metal	557	146	53,013	210
Seeds (except oilseeds)	13	1,539	234	1,791
Sewer pipe (concrete and terra cotta)	442	.....	442	.....
Shells, oyster	606	.....	606	10
Silk, raw	.....	602	150	1,899
Skins and hides	.....	952	238	3,413
Slag	230	.....	230	.....
Slate	406	.....	406	.....
Soaps and products	1,228	196	1,329	356
Soda and sodium compounds	1,967	.....	2,555	30
Soy beans	41	.....	147	16,550
Sugar	.....	1,350	8,142	126,793
Sulphur	2,673	.....	2,673	.....
Talc	112	.....	112	55
Tallow	.....	551	60	3,040
Tea	29	.....	106	126

[1] Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U.S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Textiles [2]	3,097	120	7,674	2,276
Tinplate	2,547	.....	16,404	.....
Tobacco and manufactures	415	6	5,035	48
Toilet preparations	70	.....	176	.....
Turpentine	90	.....	90	.....
Vegetables, dry [1]	.....	23	46	75
Wallboard	171	.....	188	1,220
Wax, paraffin	198	.....	875	.....
Wheat	.....	893	.....	66,865
Wines	81	376	459	881
Wood pulp	.....	3,694	2,152	4,035
Wool	.....	3,317	83	10,570
Total, June 1934	147,579	413,089	527,193	1,241,463
Total, June 1933	174,757	456,380	468,369	1,222,878
Total, June 1932	125,143	327,508	367,741	1,036,817

[1] Except as otherwise classified. [2] Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during June 1934, classified according to trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	23	134,787	2,440	27	163,380	[1] 327,020
East coast United States and west coast South America	2	15,890	.....	.....	.....	.....
East coast United States and Philippine Islands	1	5,582	.....	.....	.....	.....
East coast United States and Australasia	.....	.....	.....	1	6,758	.....
East coast Canada and west coast South America	2	14,340	1,950	2	14,340	28,908
West Indies and west coast United States	3	16,107	.....	.....	.....	.....
West Indies and west coast Central America	1	6,054	9,825	.....	.....	.....
Europe and west coast United States	1	5,442	.....	2	12,788	23,470
Europe and west coast South America	3	20,144	.....	7	49,569	105,107
Total	36	218,346	14,215	39	246,835	484,505

[1] Includes 10,422 tons asphalt.

Comparison of Canal Traffic in June 1934 with June Traffic in Previous Years

Calendar year	Month of June			Fiscal year	Average per month for fiscal year		
	Commercial transits	Panama Canal net tonnage	Tons of cargo		Commercial transits	Panama Canal net tonnage	Tons of cargo
1915	[1] 142	498,084	567,285	1915	[2] 102	361,197	465,567
1916	121	381,256	482,767	1916	63	199,687	257,843
1917	170	538,614	630,638	1917	150	483,213	588,213
1918	169	573,944	629,210	1918	172	547,839	627,669
1919	161	517,442	586,887	1919	169	510,416	576,385
1920	201	704,712	834,421	1920	206	712,170	781,208
1921	192	761,477	694,720	1921	241	951,323	966,601
1922	228	970,713	977,478	1922	228	951,455	907,075
1923	417	2,035,902	2,096,446	1923	331	1,550,482	1,630,656
1924	377	1,928,039	2,022,850	1924	436	2,179,073	2,249,559
1925	368	1,753,327	1,920,323	1925	389	1,904,596	1,996,570
1926	419	1,990,344	2,134,686	1926	433	2,064,549	2,169,787
1927	455	2,152,926	2,229,097	1927	456	2,185,651	2,312,851
1928	481	2,227,865	2,139,565	1928	538	2,454,886	2,469,226
1929	503	2,352,431	2,424,002	1929	534	2,468,483	2,555,250
1930	478	2,358,237	2,147,181	1930	515	2,498,385	2,502,519
1931	400	2,058,546	1,758,976	1931	461	2,316,012	2,090,233
1932	336	1,743,150	1,404,558	1932	376	1,968,785	1,650,667
1933	364	1,901,117	1,691,247	1933	375	1,901,823	1,514,811
1934	391	2,020,295	1,768,656	1934	461	2,380,550	2,059,888

[1] Canal opened August 15, 1914. [2] Average for 10½ months.

Terminal Activities

Ships repaired during the month of June 1934, numbered 47, including 13 which were drydocked. Fuel oil in the quantity of 243,951 barrels was delivered as bunkers to 110 commercial vessels. Bunker coal amounting to 4,230 tons was delivered to 17 commercial vessels. Sales of commissary supplies to vessels amounted to $33,814.61.

Cargo Handled at Terminal Ports

		Cristobal	Balboa	Total
Cargoes of bunkers arriving:				
Fuel oil, gasoline, etc.	tons	36,035	21,079	57,114
Coal	tons	10,515	.....	10,515
Local general cargo arriving	tons	17,867	8,576	26,443
Local general cargo shipped	tons	4,769	5,224	9,993
Cargo received for transshipment	tons	34,745	407	35,152
Cargo transshipped	tons	32,159	272	32,431
"Canal Zone for Orders" cargo:				
Number of receipts issued		17	3	20
Number of releases issued		58	15	73
Tons received		310	1	311
Tons withdrawn		376	7	383

All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
Ships entering						
All vessels, including those transiting Canal	450	2,953,496	1,781,864	412	2,641,327	1,600,566
Vessels entering port but not transiting Canal	63	382,567	222,964	13	52,474	31,471
Vessels transiting Canal and handling passengers and cargo at terminal ports	111	748,395	438,748	133	911,296	537,181
Ships clearing						
All vessels, including those transiting Canal	445	2,894,351	1,737,073	410	2,628,230	1,590,528
Vessels clearing port but not transiting Canal	59	349,956	196,963	13	43,804	22,801
Vessels transiting Canal and handling passengers and cargo at terminal ports	108	719,276	417,870	133	909,572	537,500

Cargo Discharged and Laden in Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, June 15, 1934, to midnight, July 15, 1934. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Metapan, 0, 259
Ancon, 0, 689
Iris, 0, 9
Nuevo Panama, 0, 294
Salvador, 0, 699
Manizales, 0, 403
Toloa, 704, 672
Haiti, 199, 365
Santa Rosa, 202, 602
Colombia, 0, 910
Canadian Challenger, 109, 33
Nosa Chief, 1,018, 772
Patella, 10,238, 0
Durazzo, 977, 605
Caribia, 130, 18
Virgilio, 140, 475½
Peten, 17, 9
Santa Teresa, 192, 99
San Diego, 108, 520
San Francisco, 154, 111
Canadian Conqueror, 39, 675
Trois Ilets, 0, 3
Hokuroku Maru, 836, 96
Los Angeles, 0, 521½
Cefalu, 168, 659
Real, 36, 18
Delilian, 183, 0
Tainui, 0, 2
Vogtland, 43, 428
Belfast Maru, 0, 75
Buenos Aires, 60, 0
Louisiane, 38, 347
Knute Nelson, 0, 140
Genev'e Lykes, 147, 0
Veragua, 286, 127
Bordeaux Maru, 483, 0
President Garfield, 7, 0
G. H. Jones, 10,352, 0
Sixaola, 841, 188
Marie Bakke, 13, 0
Nuevo Panama, 241, 19
Santa Elisa, 339, 223
Register, 182, 40
Guayaquil, 1,666, 473
Lochgoil, 16, 59
Ulua, 476, 256
Pastores, 67, 251
Cali, 847, 483
San Antonio, 41, 0
Pres. Taft, 340, 55
Santa Lucia, 464, 7
Caribia, 8, 932
Orazio, 85, 78
Daytonian, 118, 0
Acajutla, 531, 1,065
Vigilant, 0, 16
Tai Ping Yang, 1,091, 0
Veragua, 15, 164
San Diego, 630, 0
Benjamin Franklin, 5, 0
Margaret Johnson, 9, 0
Tacoma, 91, 89
Bodegraven, 337, 132
Contessa, 207, 501
Tuira, 55, 78
Genev'e Lykes, 0, 215
Venezuela, 147, 18
Nyhaug, 154, 0
Santa Clara, 723, 1
Santa Monica, 753, 634
Cristobal, 2,594, 845
Lochkatrine, 210, 6
Sta. Barbara, 403, 515
Flandre, 65, 379
Nuevo Panama, 245, 0
Trois Ilets, 178, 18
West Camargo, 10, 0
Quirigua, 515, 39
Axel Johnson, 0, 86
Santa Marta, 993, 233
Tsuyama Maru, 315, 0
Lagarto, 52, 584
Envoy, 0, 2½
Komaki Maru, 583, 0
Santa Elena, 217, 231
Colombia, 237, 484½
Tivives, 459, 506
Venezuela, 1, 229
Vancouver, 100, 191
Remuera, 152, 0
Cerigo, 1,010, 284
Vigilant, 15, 0
Boskoop, 600 lbs., 272
Orduna, 63, 2
Quirigua, 80, 54
Santa Inez, 575, 08
Wisconsin, 170, 103
Cefalu, 111, 667
Tuira, 43, 40
Steel Voyager, 28, 0
Istmo, 0, 160
Hamm, 99, 4
Beaconhill, 818, 0
Karnak, 51, 816
Iris, 228, 132
Feltre, 180, 0
San Angelo, 67, 0
Peten, 507, 1
Gertr'e Maersk, 100, 0
London Maru, 681, 91
Zacapa, 1,192, 280
Drechtdijk, 43, 124
Costa Rica, 160, 6 pkgs.
B'ventura, 1,765, 549
Antiochia, 0, 465
Takaoka Maru, 45, 0
Stella Lykes, 867, 110
Toloa, 376, 314
Yomachichi, 249, 0
Cerigo, 8, 558
Reina del Pacifico, 76, 341
Haiti, 252, 613
Manizales, 1,015, 184
Salvador, 562, 1,113
Pres. Wilson, 275, 0
Seattle, 108, 404
Santa Cecilia, 476, 401
Washington, 18, 199
Canadian Britisher, 14, 548
Santa Paula, 251, 2
Peten, 5, 160
Laurits Swenson, 257, 0
Roland, 189, 112
Moldanger, 14, 0
Magician, 208, 0
Syra, 15, 57
Contessa, 469, 465
Delftdijk, 158½, 0
Tuira, 46, 16
Sambu, 9, 40
Trois Ilets, 150, 12
Santa Maria, 418, 4
Ancon, 2,696, 778
Santa Clara, 384, 783
Montreal Maru, 557, 0

CRISTOBAL—Continued

Cuba, 32, 247
Sta. Catalina, 423, 547
Veragua, 212, 42
Canadian Highlander, 25, 194
Metapan, 874, 241
Kwanto Maru, 1,000, 42
Juan S. Elcano, 188, 0
Manizales, 0, 604
Vigilant, 55, 58
Istmo, 682, 0
Durazzo, 853, 0
Costa Rica, 1, 569
Ulua, 747, 369
Pastores, 90, 624
Santa Lucia, 190, 170
Dakarian, 222, 0
Cordillera, 298, 60
Stella, 20, 0
Amerika, 7, 0

BALBOA

Santa Rosa, 9, 33
Santa Teresa, 68, 1
Emergency Aid, 649, 0
Chiriqui, 0, 12
California, 3, 0
Nosa Chief, 0, 46
Atago Maru, 0, 1
U.S.S. Nitro, 3, 0
Pennsylvania, 104, 66
Santa Elisa, 119, 4
Santa Lucia, 200, 3
Antigua, 0, 30
Tai Ping Yang, 90, 0
Benj. Franklin, 520, 0
Marg't Johnson, 394, 0
La Purisima, 4, 0
Santa Clara, 2, 3
Chateau Thierry, 168, 76
Republic, 613, 98
Santa Barbara, 275, 10
Santa Monica, 5, 39
Acajutla, 0, 2
Wisconsin, 151, 0
Santa Elena, 44, 14
Talamanca, 0, 95
Santa Inez, 89, 0
Falkefjell, 11,208, 0
Beaconhill, 1,908, 0
California, 51, 0
President Polk, 0, 3
Gertr'e Maersk, 114, 0
Henderson, 45, 7
Yomachichi, 231, 0
Santa Paula, 250, 5
Chiriqui, 9, 33
Tai Shan, 1, 1
Washington, 0, 237
Trois Ilets, 237, 0
Santa Cecilia, 0, 2
Laurits Swenson, 2, 0
Heiyo Maru, 2, 0
Gisla, 116, 0
President Taft, 0, 3
Santa Catalina, 50, 7
Geisha, 92, 0
Santa Clara, 55, 10

Passengers

Ocean ship passengers disembarking at Cristobal numbered 2,040; embarking, 1,599; at Balboa, 1,089 disembarking and 1,450 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 3,203, from the Pacific to the Atlantic, 2,690. Aircraft numbering 45 entered Cristobal, and 120 passengers disembarked; clearances were 48, with 130 passengers embarking; at Balboa 1 aircraft entered with 1 passenger disembarking; clearances, 1, with no passengers embarking.

Traffic Through the Panama Canal During Fiscal Year 1934 by Nationality

Nationality	No. of ships	Tonnage: Panama Canal net	Tonnage: United States equivalent	Tonnage: Registered gross	Tonnage: Registered net	Tolls	Tons of cargo
British	1,208	6,831,307	4,881,600	8,146,405	4,931,037	$5,757,319.25	5,193,136
Chilean	7	26,680	21,190	34,575	19,618	23,508.52	21,989
Colombian	1	307	302	405	308	226.50	.....
Danish	135	636,831	419,001	702,680	434,450	501,632.90	533,262
Danzig	70	559,101	478,953	848,915	480,944	500,593.30	575,125
Finnish	7	31,811	21,498	34,948	21,269	25,154.58	25,560
French	92	509,467	328,432	613,791	343,282	404,744.36	430,668
German	301	1,059,731	705,116	1,216,350	718,059	871,137.96	962,218
Greek	13	54,026	36,999	59,828	36,946	43,061.97	60,799
Honduran	9	432	414	378	342	448.68	183
Italian	68	478,429	317,010	587,153	351,681	378,443.07	256,465
Japanese	258	1,413,305	1,133,535	1,759,794	1,116,220	1,378,227.43	1,510,916
Mexican	1	.....	.....	.....	.....	613.50	.....
Netherland	91	535,315	356,512	590,823	355,521	441,367.22	403,451
Norwegian	450	2,236,955	1,476,971	2,477,331	1,485,180	1,748,481.84	2,080,833
Panamanian	383	287,187	218,802	388,972	219,694	239,398.70	150,667
Peruvian	14	17,823	15,176	24,086	14,263	22,317.30	9,104
Russian	3	1,559	2,779	5,756	2,744	2,084.25	.....
Spanish	1	.....	.....	.....	.....	1,648.50	.....
Swedish	122	569,495	391,555	1,005,950	481,474	451,361.30	766,921
United States	2,269	13,225,698	9,473,009	15,761,429	9,457,363	11,186,953.53	11,578,453
Venezuelan	12	10,156	9,304	16,927	9,774	9,461.04	7,221
Yugoslav	18	80,980	60,483	97,340	59,625	75,603.75	151,680
Fiscal year 1934	5,533	28,566,595	20,348,641	34,373,836	20,539,794	24,063,789.45	24,718,651
Fiscal year 1933	4,494	22,821,876	16,368,930	27,185,332	16,537,108	19,620,458.53	18,177,728
Fiscal year 1932	4,506	23,625,419	17,207,789	28,770,941	17,386,148	20,707,377.05	19,807,998

Foreign naval vessels, other than transports, colliers, hospital ships, and supply ships, pay tolls at the rate of $0.50 per ton displacement. Included in the preceding tabulation of transits and tolls, but not of tonnages, are the foreign naval vessels which transited the Canal during the fiscal year 1934 and paid tolls on the basis of displacement, as follows:

Nationality	No. of vessels	Displacement tonnage	Tolls
British	8	35,508	$17,754.00
German	1	6,490	3,245.00
Mexican	1	1,227	613.50
Peruvian	7	9,742	4,871.00
Spanish	1	3,297	1,648.50
Total	18	56,264	28,132.00

Movements of Ocean Vessels Through the Panama Canal

From midnight June 15, 1934, to midnight July 15, 1934

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
H. M. Storey [1]	16	16	Amer.	Standard Ship. Co.	Norfolk, Va.	Los Angeles, Cal.	Ballast	.....
Lena Luckenbach	16	16	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,875
F. H. Bedford, Jr. [1] [2]	16	16	Danz.	Stand. Franco-Amer.	New York, N.Y.	Talara, Peru	Ballast	.....
Hoxbar [1]	16	16	Amer.	C. D. Mallory & Co.	Newp't News, Va.	Los Angeles, Cal.	Ballast	.....
Alaskan	16	16	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,925
Trontolite [1] [2]	16	16	Brit.	Imperial Oil Co.	Montreal, Can.	B'ventura, Col.	Gasoline	([15])
Santa Rosa	16	17	Amer.	Panama Mail S.S. Co.	New York, N.Y.	Seattle, Wash.	General	2,522
La Korrigane [3]	11	...	Fr.	U. de Ganay	Marseille, France	Tahiti	Ballast	.....
Salvador	9	17	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	698
Canadian Challenger.	16	17	Brit.	Can. Nat. Steamships	Montreal, Can.	Melbourne, Au'lia	General	4,318
Allende	16	17	Brit.	Morel, Ltd.	Norfolk, Va.	Yokohama, Jap.	Scrap steel	8,157
Silvercypress [2]	17	17	Brit.	Silver Line, Ltd.	Halifax, N.S.	Penang, Str. Set.	General	1,412
Nuevo Panama [2]	15	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	B'ventura, Col.	General	240
Kurama Maru	17	17	Jap.	Kokusai Kisen Kaisha	New York, N.Y.	Kobe, Japan	Cotton, gen.	9,062
Bethore	17	17	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Cowrie [1] [2]	17	17	Brit.	Anglo-Saxon Pet. Co.	Curacao, D.W.I.	Los Angeles, Cal.	Ballast	.....
Alamar	17	17	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,050
Manizales	9	17	Ger.	North German Lloyd.	Cristobal, C.Z.	Guayaquil, Ecuad	General	404
Kumara	17	17	Brit.	Shaw, Savill & Albion.	London, Eng.	Bluff, N.Z.	General	3,648
Cimba [6]	4	-19	Amer.	R. Maury	Kingston, Jam.	Galapagos	Ballast	.....
Barbana G.	17	18	Ital.	Garibaldi Soc. An. Cop. di Nav.	La Spezia, Italy	Tocopilla, Chile	Ballast	.....
Bronnoy [2]	18	18	Nor.	Canadian Transp. Co.	Barbados, B.W.I.	Vancouver, B.C.	Sugar	8,000
Castana [1]	18	18	Amer.	U.S. Tankship Corp.	New Orleans, La.	Los Angeles, Cal.	Ballast	.....
Nosa Chief	16	18	Amer.	Grace Line	Cristobal, C.Z.	S. Francisco, Cal.	General	772
Atago Maru [2]	18	19	Jap.	Nippon Yusen Kaisha	Philadelphia, Pa.	Kobe, Japan	Gen., cotton.	8,633
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
San Francisco [2]	18	19	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B.C.	General	3,897
Patella [1] [2]	16	19	Brit.	Anglo-Saxon Pet. Co.	Curacao, D.W.I.	S. Francisco, Cal.	Ballast	.....
King City	18	19	Brit.	Reardon Smith Line.	Galveston, Tex.	Shanghai, China.	General	7,314
Mexican	19	19	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	2,097
Nitro [13]	19	21	Amer.	U.S. Navy	Norfolk, Va.	Bremerton, Wash.	Navy stores.	2,060
Huntingdon	20	20	Brit.	Federal Steam Nav. Co.	Falmouth, Eng.	New Zealand	Ballast	.....
W. S. Rheem [1]	20	20	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Iris	19	20	Neth.	Royal Neth. S.S. Co.	Pto. Colombia	Guayaquil, Ecuad	General	46
La Plata Maru [2]	20	20	Jap.	Osaka Shosen Kaisha.	Buenos Aires, Arg.	Kobe, Japan	Gen, cotton	3,448
Ville de Strasbourg.	20	20	Fr.	Messageries Mariti'es.	Marseille, France	New Caledonia	General	936
Vogtland [2]	20	20	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	2,458
Belfast Maru	20	20	Jap.	Kawasaki K. Kaisha.	Houston, Tex.	Kobe, Japan	([17])	4,479
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Sambu [2]	19	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Real [2]	19	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	General	16
Pirate [3]	20	...	Pan.	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z. [16]	Bananas	.....
Buenos Aires [2]	20	21	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B.C.	General	4,042
Trois Ilets	18	21	Fr.	French Line	Fort de France	B'ventura, Col.	General	3
Heffron	20	21	Amer.	Pac. Coast Dir. Line.	Boston, Mass.	Tacoma, Wash.	Steel, gen.	2,788
Vestvard [2]	20	21	Nor.	H. E. L. Meyer, Jr.	Newcastle, Eng.	Los Angeles, Cal.	Coke	4,846
Fernbank [2]	20	21	Nor.	Fern Line	Mobile, Ala.	Shanghai, China.	Cotton	4,238
Washington Express. [2]	21	21	Nor.	Fruit Express Line	London, Eng.	Los Angeles, Cal.	Ballast	.....
Louisiane	20	21	Fr.	French Line	Dunkirk, France.	Talcahuano, Chile	General	902
Titania [2]	21	21	Nor.	Maersk Line	Chester, Pa.	Japan	General	3,686
Bushnell [14]	15	21	Amer.	U.S. Navy	N. London, Conn.	San Diego, Calif.	Ballast	.....
Marore	21	21	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Thurland Castle [2]	21	21	Brit.	Barber S.S. Line	New York, N.Y.	Yokohama, Jap.	([18])	3,934
Sunoil [1] [2]	21	21	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Lubrico [1]	21	21	Amer.	Standard Oil Co.	Paulsboro, N.J.	S. Francisco, Cal.	([19])	2,440
J. L. Luckenbach.	21	22	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,337
Pennsylvania	22	22	Amer.	Panama-Pacific Line.	New York, N.Y.	S. Francisco, Cal.	General	2,165
President Garfield	22	22	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	Gen., autos.	2,567
Eleanor Christenson.	22	22	Amer.	Sudden & Christenson	New York, N.Y.	Seattle, Wash.	General	3,140
Chr. Th. Boe [1] [2]	22	22	Nor.	Olaf Boe & Co.	Stockholm, Swed.	Talara, Peru	Ballast	.....
Larry Doheny [1]	22	22	Amer.	Richfield Oil Co.	Paulsboro, N.J.	Los Angeles, Cal.	Ballast	.....
Tapti	22	22	Brit.	Federal Steam Nav. Co.	Tampico, Mex.	Adelaide, Aus'lia.	General	4,524
Genevieve Lykes.	21	22	Amer.	Lykes Bros. S.S. Co.	Tampa, Fla.	B'ventura, Col.	Gen., horses.	841
Peter Hurll [1] [2]	22	22	Danz.	W. Tankschiff Rhed'i.	Fawley, Eng.	Talara, Peru	Ballast	.....
Altair [1]	22	22	Amer.	Stand. Vacuum Tr'sp.	Providence, R.I.	Manila, P.I.	Ballast	.....
Point Salinas	22	22	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	6,349
Sambu [2]	21	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [6] Yacht. [13] Auxiliary. [14] Submarine tender. [15] 502,295 gallons. [16] And return to Cristobal. [17] Cotton, scrap iron. [18] Scrap iron, general. [19] Lubricating oil.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Lt. Col. H. C. Schumm.[4]	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Larchbank[2].....	22	23	Brit...	Mersey Paper Co....	Liverpool, Eng..	Adelaide, Aus'lia.	Newsp't rolls	4,261
Geo. H. Jones[2]..	22	23	Amer..	Standard Ship. Co...	Ponce, P.R.....	Los Angeles, Cal.	Ballast.....	.....
Marie Bakke[2]....	22	23	Nor...	Knut Knutsen, O.A.S.	Goth'burg, Swed.	Valparaiso, Chile.	General.....	1,875
Frank Lynch[2]....	23	24	Amer..	Continental Grain Co.	Freeport, Tex...	S. Francisco, Cal.	Sulphur....	2,514
Steel Ranger.....	23	23	Amer..	Isthmian S.S. Lines...	Portland, Me....	Vancouver, B.C..	Gen., steel..	6,622
Dakotan.....	23	23	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Tacoma, Wash..	General.....	2,863
Santa Elisa.....	22	24	Amer..	Grace Line.....	New York, N.Y.	Talcahuano, Chile	General.....	2,493
Nuevo Panama[2]..	22	23	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	B'ventura, Col...	General.....	170
Stanford[2].....	23	23	Nor...	LongIs.Mach.&Equip.	New Orleans, La.	Yawata, Japan..	([14])	7,873
Texas Shipper....	23	23	Amer..	McCormick S.S. Co..	Norfolk, Va.....	Tacoma, Wash..	General.....	3,644
Bathalum[4].....	23	23	Rus...	Russian Government.	New York, N.Y.	Vlad'ok, U.S.S.R.	Ballast.....	.....
Baymead[4].....	23	24	Rus...	Russian Government.	New York, N.Y.	Vlad'ok, U.S.S.R.	Ballast.....	.....
Floreana[3]...11-9	23	24	Col....	A. Tagaropulos.....	Cristobal, C.Z...	Puntarenas, C.R.	Ballast.....	.....
Bonnington Court.[2]	23	24	Brit...	Canadian Transp. Co.	Montreal, Can...	Tacoma, Wash..	General.....	5,405
Cincinnati[12].....	24	25	Amer..	U.S. Navy.....	U.S. port.....	San Diego, Calif.	Ballast.....	.....
Calgarolite[2].....	23	24	Brit...	Imperial Oil Co.....	Montreal, Can...	Cabo Blanco, Per.	Ballast.....	.....
San Antonio.....	24	24	Fr.....	French Line.....	Havre, France...	Vancouver, B.C..	([16])	2,328
Niel Maersk[2]....	24	24	Dan...	Isbrandtsen Moller...	Boston, Mass....	Cebu, P.I.....	General.....	5,564
Orazio[2].....	24	25	Ital...	Societa Italia.....	Genoa, Italy....	Valparaiso, Chile.	General.....	948
Steelore.....	25	25	Amer..	Ore S.S. Corp.....	Baltimore, Md...	Cruz Gr'de, Chile	Ballast.....	.....
Chickasaw City..	25	25	Amer..	Isthmian S.S. Lines..	Savannah, Ga...	Shanghai, China.	Gen., tobacco	5,987
Durazzo.....	16	25	Ger...	Hamburg-Amer. Line.	Cristobal, C.Z...	Guayaquil, Ecuad	General.....	600
Tohsei Maru.....	25	26	Jap...	Kawasaki K. Kaisha..	Tampa, Fla.....	Seikoshin, China.	Phosphate..	6,376
J-26[5].....	...	...	Amer..	U.S. Army.....	Cristobal, C.Z...	Gatun, C.Z.....	Ballast.....	.....
Pacific Reliance[2].	25	26	Brit...	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B.C..	General.....	654
H.M.S. York[12]..	26	27	Brit...	British Government..	Bermuda, B.W.I.	Balboa, C.Z.....	Ballast.....	.....
Benjamin Franklin.[2]	26	27	Nor...	Fred Olsen Line.....	Oslo, Norway....	Vancouver, B.C..	General.....	3,430
Antiope.....	26	26	Brit...	Andrew Weir & Co...	Cardiff, Eng.....	Papeete, Soc. Is..	Coal.....	4,001
Margaret Johnson.[2]	26	27	Swed..	Johnson Line.....	Stockholm, Swed.	S. Francisco, Cal.	General.....	1,375
Robin Gray.....	26	26	Amer..	Luckenbach Gulf Co..	New Orleans, La.	Tacoma, Wash..	General.....	4,752
Sambu[2].....	26	...	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Tuira[2].....	26	26	Pan...	Elliot Ship. & Land Co.	Cristobal, C.Z...	Pto.Arm'les, R.P.	General.....	65
A. B. de Obarrio[2].	26	...	Pan...	A. Valdez.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
Pirate[3].....	27	...	Pan...	E. J. Hooper.....	Cristobal, C.Z...	Gatun, C.Z.[15]...	Bananas....	.....
Icy-V[5].....	...	...	Amer..	L. H. Brereton.....	Cristobal, C.Z...	Balboa, C.Z.....	Ballast.....	.....
San Diego.....	25	27	Amer..	States S.S. Co.....	Norfolk, Va.....	Seattle, Wash...	General.....	3,120
Frank G. Drum[1].	27	27	Amer..	Associated Oil Co....	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Parthenia.....	27	27	Brit...	Donaldson Line.....	Glasgow, Scot...	Portland, Oreg...	General.....	899
Almirante Guise[9].	27	...	Peru..	Peruvian Government	Fort de France..	Talara, Peru....	Ballast.....	.....
Almirante Villar[9].	27	...	Peru..	Peruvian Government	Fort de France..	Talara, Peru....	Ballast.....	.....
Brimanger[2].....	27	28	Nor...	Interocean S.S. Corp.	Rotterdam, Neth.	Vancouver, B.C..	Psgrs. only..	.....
Nyhaug[2].....	27	27	Nor...	Wessel, Duval & Co..	New York, N.Y.	San Antonio, Chile	General.....	4,731
Pennsylvania[13]..	27	28	Amer..	U.S. Navy.....	New York, N.Y.	San Diego, Calif.	Ballast.....	.....
President Pierce..	28	29	Amer..	Dollar Line.....	New York, N.Y.	S. Francisco, Cal.	Gen., mach..	1,395
Lisbon Maru.....	27	28	Amer..	Nippon Yusen Kaisha	Philadelphia, Pa.	Kobe, Japan....	General.....	7,979
Kwansai Maru[2]..	27	28	Jap...	Osaka Shosen Kaisha.	New York, N.Y.	Moji, Japan....	([17])	9,234
Appledore.....	28	28	Brit...	Anglo-Can. Ship. Co.	Cardiff, Eng.....	Vancouver, B.C..	Ballast.....	.....
Lochkatrine[2]....	28	28	Brit...	Royal Mail Lines....	Rotterdam, Neth.	Vancouver, B.C..	General.....	1,473
Chateau Thierry[8].	28	...	Amer..	U.S. Army.....	New York, N.Y.	Balboa, C.Z.....	Supplies....	167
R. L. Hague[12]...	29	29	Ital...	Standard Ship. Co...	New York, N.Y.	Talara, Peru....	Ballast.....	.....
Hakubasan Maru[2]	29	29	Jap...	Mitsui Bussan Kaisha	Philadelphia, Pa.	Moji, Japan.....	Gen., cotton.	7,275
West Camargo...	29	29	Amer..	McCormick S.S. Co..	Buenos Aires, Arg.	Vancouver, B.C..	([18])	4,831
Mauna Kea.....	29	29	Amer..	Matson Nav. Co.....	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Santa Monica[2]...	27	29	Amer..	Panama Mail S.S. Co.	Cristobal, C.Z...	S. Francisco, Cal.	General.....	731
Matakana.....	29	29	Brit...	Shaw, Savill & Albion	London, Eng....	Wellington, N.Z.	General.....	2,750
Santa Barbara[2]..	28	30	Amer..	Grace Line.....	New York, N.Y.	Valparaiso, Chile.	General.....	2,906
Willhilo.....	29	29	Amer..	Amer.-Hawaiian Line.	Baltimore, Md...	Seattle, Wash...	General.....	4,079
Lagarto[2].....	29	30	Brit...	Pacific Steam Nav.Co.	Hull, England...	Coronel, Chile...	General.....	4,003
City of Pittsburg.	29	30	Brit...	Ellerman Hall Lines..	New York, N.Y.	Dairen, China...	General.....	4,576
Horace Luckenbach.	30	30	Amer..	Luckenbach Line....	Boston, Mass....	Seattle, Wash...	General.....	2,854
Missourian[2].....	30	30	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash...	General.....	4,084
Santa Elena.....	30	1	Amer..	Grace Line.....	New York, N.Y.	Seattle, Wash...	Coffee, gen..	2,505
Vancouver.....	30	1	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Vancouver, B.C..	General.....	2,478
Sveadrott[2].....	1	1	Swed..	Scand. S. Pacific Line.	Oslo, Norway...	Valparaiso, Chile.	Cement, gen.	1,747
Cali.....	23	1	Ger...	North German Lloyd.	Cristobal, C.Z...	Guayaquil, Ecuad	General.....	482
Arcadia[6].....	30	2	Amer..	Margaret S. Hardwick	Jacksonville, Fla.	Galapagos Island	Ballast.....	.....
Cities Service Toledo.[1]	1	1	Amer..	CitiesServ.Transp.Co.	New York, N.Y.	Los Angeles, Cal.	Ballast.....	.....
Tirpitz.....	1	1	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Pt.Chicama, Peru	Ballast.....	.....
Portmar.....	1	1	Amer..	Calmar Line.....	Baltimore, Md...	Seattle, Wash...	Steel, gen...	6,351
Nordvard[2].....	1	1	Nor...	L. Klosterr Rederi....	Baltimore, Md...	Yawata, Japan..	Scrap iron...	7,009

[1] Tanker. [2] Motor ship. [3] Motor schooner. [4] Tug. [5] Launch. [6] Yacht. [8] Transport. [9] Destroyer. [12] Cruiser. [13] Battleship. [14] Scrap iron, steel. [15] And return to Cristobal. [16] General, coal, steel, etc. [17] Automobiles, iron, general. [18] Maize, bones, cocoa, coffee.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Boskoop	1	1	Neth.	Royal Neth. S.S. Co.	Hamburg, Ger.	Corral, Chile	General	1,900
Acajutla	24	2	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	1,066
H.M.S. Norfolk [2]	2	3	Brit.	British Government	Kingston, Jam.	Comax, B.C.	Ballast	.....
Chilore	1	2	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
John D. Archbold [1]	2	2	Amer.	Standard Ship. Co.	New York, N.Y.	Los Angeles, Cal.	Ballast	.....
Trois Ilets	28	2	Fr.	French Line	Cristobal, C.Z.	B'ventura, Col.	General	19
Point Ancha	2	2	Amer.	Swayne & Hoyt	Galveston, Tex.	Powell Riv., B.C.	General	2,709
El Ciervo [1]	2	3	Brit.	Dom. Tar & Chemical	Montreal, Can.	Vancouver, B.C.	Creosote	5,912
Col. Riche	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Tow'g barge.	.....
Ward [2]	1	3	Amer.	Roosevelt S.S. Co.	New York, N.Y.	Shanghai, China.	General	4,641
Beaconoil [1]	2	3	Amer.	Shell Oil Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast	.....
Baldhill [1]	2	3	Amer.	Penn. Shipping Co.	Scwaren, N.J.	Los Angeles, Cal.	Ballast	.....
City of Rayville [2]	2	3	Amer.	Roosevelt S.S. Co.	Baltimore, Md.	Adelaide, Aus'lia.	General	4,705
Uyo Maru [2]	2	3	Jap.	Kawasaki K. Kaisha	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Santa Cecilia	3	3	Amer.	Argonaut S.S. Co.	New York, N.Y.	Seattle, Wash.	General	3,653
Katsuragi Maru [2]	3	3	Jap.	Kokusai Kisen Kaisha	New York, N.Y.	Osaka, Japan	Gen., cotton.	7,131
Harbury	3	3	Brit.	National S.S. Co.	Kingston, Jam.	Coquimbo, Chile.	Ballast	.....
West Cape	3	4	Amer.	McCormick S.S. Co.	New York, N.Y.	Tacoma, Wash.	General	5,163
Bradfyne	3	4	Brit.	W. R. Smith & Sons.	New Orleans, La.	Osaka, Japan	Cotton, gen.	7,228
Nichiyo Maru [2]	4	4	Jap.	Kawasaki K. Kaisha.	Pt. Tampa, Fla.	Kobe, Japan	Phosphate	7,802
Fernmoor [2]	4	4	Nor.	Fern Line	Houston, Tex.	Kobe, Japan	(14)	6,480
Point Arena	4	4	Amer.	Swayne & Hoyt	Houston, Tex.	S. Francisco, Cal.	Steel, gen.	2,633
Steel Voyager	4	4	Amer.	Isthmian S.S. Lines	Portland, Me.	Tacoma, Wash.	Steel, gen.	3,547
Elizabeth Kellogg. [2]	4	5	Amer.	Kellogg S.S. Co.	Norfolk, Va.	Los Angeles, Cal.	(16)	7,000
Clunepark	4	4	Brit.	Nitrate Corp.	New York, N.Y.	Taltal, Chile	Ballast	.....
Sambu [2]	3	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Tuira [2]	3	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	22
Pirate [3]	4	...	Pan.	E. J. Hooper	Cristobal, C.Z.	Gatun, C.Z. [15]	Bananas	.....
S-48 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-14 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Beaconhill [1]	4	6	Amer.	West India Oil Co.	Baton Rouge, La.	Los Angeles, Cal.	Gasoline	1,908
S-10 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-16 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
F. W. Abrams [1]	4	5	Amer.	Standard Ship. Co.	Providence, R.I.	Los Angeles, Cal.	Ballast	.....
Fernbrook [2]	5	5	Nor.	Fearnley & Eger	Houston, Tex.	Yokohama, Jap.	Cotton, gen.	7,082
S-11 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-15 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-13 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
S-17 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Gedania [1]	5	5	Ger.	Agwi Petroleum Co.	Aruba, D.W.I.	Talara, Peru	Ballast	.....
Istmo	4	5	Pan.	Elliot Ship. & Land Co.	Rio Hacha, Col.	Tumaco, Col.	Gen., salt	610
Mercury Sun [1] [2]	5	5	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
Svealand [2]	5	6	Swed.	Ore S.S. Corp.	New York, N.Y.	Cruz Gr'de, Chile	Ballast	.....
Q.M. No. 1 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Mallard [10]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Retriever [13]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
San Angelo	5	6	Amer.	States S.S. Co.	Norfolk, Va.	Seattle, Wash.	General	2,791
President Polk	6	6	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	4,679
Canadian Constructor.	5	6	Brit.	Can. Nat. Steamships	Montreal, Can.	Lyttleton, N.Y.	General	4,413
California	6	6	Amer.	Panama-Pacific Line.	New York, N.Y.	S. Francisco, Cal.	General	1,749
Sage Brush	6	6	Amer.	Shepard S.S. Co.	Houston, Tex.	Seattle, Wash.	General	6,840
Malay [1]	6	6	Amer.	C. D. Mallory & Co.	Norfolk, Va.	Los Angeles, Cal.	Ballast	.....
Port Fairy [2]	6	6	Brit.	Com'lth & Dom. Line	London, Eng.	Oamaru, N.Z.	General	4,507
Feltre [2]	5	6	Ital.	Nav. Libera-Triestina	Trieste, Italy	Vancouver, B.C.	Salt, gen.	2,056
Karnak	4	6	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Corral, Chile	General	2,624
France Maru	6	6	Jap.	Kokusai Kisen Kaisha	New York, N.Y.	Kobe, Japan	(17)	7,845
Henderson [8]	6	10	Amer.	U.S. Navy	Norfolk, Va.	Honolulu, T.H.	General	796
Camden [2]	6	7	Amer.	Standard Ship. Co.	Charleston, S.C.	Los Angeles, Cal.	Ballast	.....
Jersey City	6	7	Brit.	Mitsubishi Shoji K.	Philadelphia, Pa.	Kobe, Japan	Scrap steel	8,546
Edgehill	7	7	Amer.	LykesBros.-RipleyCo.	New Orleans, La.	Manila, P.I.	Cotton, wire.	5,312
Taranger [2]	7	7	Nor.	Interocean S.S. Corp.	Rotterdam, Neth.	Vancouver, B.C.	Ballast	.....
Comet [1]	7	7	Amer.	Robert F. Hand	Boston, Mass.	Talara, Peru	Ballast	.....
Acme [1]	6	7	Amer.	Stand. Vacuum Tr'sp.	New York, N.Y.	S. Francisco, Cal.	Ballast	.....
Reina del Pacifico. [2]	7	8	Brit.	Pacific Steam Nav. Co	Liverpool, Eng.	Talcahuano, Chile	General	2,659
Arizonan	7	8	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	3,476
Tai Shan [2]	7	8	Pan.	Barber S.S. Line	New York, N.Y.	Los Angeles, Cal.	General	4,260
Pacific Enterprise. [2]	8	8	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B.C.	General	553
Iris	4	8	Neth.	Royal Neth. S.S. Co.	Cristobal, C.Z.	Guayaquil, Ecuad	General	138
Cerigo	7	8	Ger.	Hamburg-Amer. Line.	Pto. Colombia	Guayaquil, Ecuad	General	598
American Eagle	8	8	Amer.	Amer.-Foreign S.S. Co	Pt. Pierce, Fla.	Seattle, Wash.	Ballast	.....
Seattle [2]	8	8	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Portland, Oreg.	General	2,056
Santa Cecilia	8	10	Amer.	Grace Line	New York, N.Y.	Talcahuano, Chile	General	2,463

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [7] Submarine. [8] Transport. [10] Mine sweeper. [13] Cruiser. [13] Crane. [14] Cotton, lead, etc. [15] And return to Cristobal. [16] Whale and cottonseed oil. [17] Scrap rails and asbestos.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Washington [2]	8	9	Fr.	French Line	Antwerp, Belg.	Vancouver, B.C.	General	1,414
Minerva [2]	8	9	Nor.	States Marine Co.	Jacksonville, Fla.	Yawata, Japan	Scrap iron	8,792
Steel Navigator	8	9	Amer.	Isthmian S.S. Lines	Newp't News, Va.	Hilo, T.H.	Steel, gen.	5,897
Tuscarora [1]	9	9	Brit.	Standard Ship. Co.	Manchester, Eng.	Talara, Peru	Ballast	.....
Nankai Maru [2]	9	9	Jap.	Osaka Shosen Kaisha.	New York, N.Y.	Moji, Japan	Copper,autos	8,083
Maron [2]	9	9	Brit.	Alfred Hot & Co.	Boston, Mass.	Osaka, Japan	General	5,240
New Orleans [12]	10	12	Amer.	U.S. Navy	New York, N.Y.	Honolulu, T.H.	Ballast	.....
Nurtureton	9	10	Brit.	R. Chapman & Son	New York, N.Y.	Iquique, Chile	Ballast	.....
Antietam [1]	9	10	Amer.	Shell Oil Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast	.....
Moldanger [2]	10	10	Nor.	Interoccan S.S. Corp.	Rotterdam, Neth.	Guayaquil, Ecuad	Cement	340
Laurits Swenson [2]	9	10	Nor.	Fred Olsen Line	Hull, England	Vancouver, B.C.	General	1,525
Ulysses [1]	10	10	Amer.	Union Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	.....
F. J. Luckenbach	10	10	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,139
Dora	10	10	Amer.	U.S. Tankship Corp.	New Orleans, La.	Honolulu, T.H.	Ballast	.....
Delftdyk [2]	10	11	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Vancouver, B.C.	General	1,131
City of Brisbane	10	11	Brit.	Ellerman & Bucknall	Pt. Arthur, Tex.	Fremantle, Aus'a	General	5,364
Gisla [2]	10	11	Nor.	Westfal, Larsen & Co.	BuenosAires,Arg.	Vancouver, B.C.	General	936
Houston [12]	11	12	Amer.	U.S. Navy	New York, N.Y.	Honolulu, T.H.	Ballast	.....
Edgar F. Luckenbach.	11	11	Amer.	Luckenbach Line	Mobile, Ala.	Seattle, Wash.	General	5,892
Rangitane [2]	11	12	Brit.	N.Z. Shipping Co.	London, Eng.	Wellington, N.Z.	General	3,820
Pirate [3]	11	...	Pan.	E. J. Hooper	Colon, R.P.	Gatun, C.Z. [13]	Bananas	.....
San Lorenzo [2]	10	...	Pan.	A. Valdez	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Tuira [2]	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	50
Sambu [2]	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C.Z.	Pto. Arm'les, R.P.	General	20
Deroche [1]	11	12	Amer.	Union Oil Co.	Paulsboro, N.J.	Los Angeles, Cal.	Ballast	.....
President Taft	12	13	Amer.	Dollar Line	New York, N.Y.	S. Francisco, Cal.	General	2,022
Ferndale [2]	12	12	Nor.	La.Genl.Soc.D'Armement.	Antwerp, Belg.	Hongkong, China	Steel, gen.	7,176
Anglo-Peruvian	12	12	Brit.	Lawther Latta & Co.	Tyne, England	Brit. Columbia	Ballast	.....
Connector	12	...	Brit.	Canadian Govt.	Kingston, Jam.	Balboa, C.Z.	Drydocking	.....
Yahiko Maru [2]	13	13	Jap.	Mitsui & Co.	New York, N.Y.	Yawata, Japan	([14])	7,987
Oneida	12	13	Amer.	Ford Motor Co.	Chester, Pa.	Los Angeles, Cal.	General	2,430
New Westminster City.	13	13	Brit.	Reardon Smith Line	Jacksonville, Fla.	Kobe, Japan	Cotton,scrap	6,782
Trois Ilets	10	13	Fr.	French Line	Cristobal, C.Z.	B'ventura, Col.	General	12
Oregon Express [2]	13	13	Nor.	Fruit Express Line	Hull, England	S. Francisco, Cal.	Ballast	.....
Heranger [2]	13	13	Nor.	Interoccan S.S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Psgrs. only	.....
Queen City	13	13	Brit.	Mitsubishi & Co.	Mobile, Ala.	Kobe, Japan	Scrap iron	7,792
Santa Clara	12	14	Amer.	Grace Line	New York, N.Y.	Valparaiso, Chile.	General	2,558
Col. Riche [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
J-26 [5]	...	...	Amer.	U.S. Army	Cristobal, C.Z.	Gatun, C.Z.	Ballast	.....
Santa Catalina [2]	12	14	Amer.	Panama Mail S.S. Co.	Cristobal, C.Z.	S. Francisco, Cal.	General	596
Canadian Highlander.	13	14	Brit.	Can. Nat. Steamships	Montreal, Can.	Adelaide, Aus'lia.	General	3,605
Nordbo [2]	13	14	Dan.	Mitsui Bussan Kaisha	Norfolk, Va.	Yawata, Japan	Scrap iron	7,397
Felix Taussig	14	14	Amer.	McCormick S.S. Co.	Albany, N.Y.	Seattle, Wash.	Steel, gen.	4,510
Oregonian	14	14	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	2,924
Pennmar	14	14	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,066
Lebore	14	14	Amer.	Ore S.S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Orient City	14	14	Brit.	Mitsubishi Shoji K.	Pt. Tampa, Fla.	Seikoshin, China	Phosphate	7,566
Santa Lucia	14	15	Amer.	Panama Mail S.S. Co.	New York, N.Y.	Seattle, Wash.	Coffee, gen.	3,064
S-12 [7]	...	...	Amer.	U.S. Navy	Cristobal, C.Z.	Balboa, C.Z.	Ballast	.....
Lycia [2]	14	15	Brit.	Canadian Transp. Co.	Barbados, B.W.I.	N. Westm'r, B.C.	General	4,283
Moveria [2]	15	15	Brit.	Donaldson Brothers	Glasgow, Scot.	Vancouver, B.C.	General	696
Silverwalnut [2]	15	15	Brit.	Kerr S.S. Co.	Halifax, N.S.	Hongkong, China	General	691
Stella	15	15	Dan.	J. Lauritzen	New York, N.Y.	Coronel, Chile	General	680
Amerika [2]	15	15	Dan.	East Asiatic Co.	Copenhagen, Den	Vancouver, B.C.	General	293
Salvador	7	15	Brit.	Pacific Steam Nav. Co	Cristobal, C.Z.	Champ'ico, Guat.	General	1,113
Willboro	15	15	Amer.	Williams S.S. Corp.	Albany, N.Y.	Seattle, Wash.	General	2,083
Manizales	13	15	Ger.	North German Lloyd.	Pto. Colombia	Guayaquil, Ecuad	General	689

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Gulfpenn [1]	16	16	Amer.	Gulf Refining Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	13,338
Durazzo	16	...	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	General	803
Nosa Chief	16	18	Amer.	Panama Mail S.S. Co.	S. Francisco, Cal.	Cristobal, C.Z.	Coffee, gen.	936
Virgilio [2]	16	18	Ital.	Soc. Italia	Valparaiso, Chile.	Genoa, Italy	General	3,873
San Lucas	16	17	Amer.	Quaker Line	Los Angeles, Cal.	Philadelphia, Pa.	Lumber, gen.	8,179
Mercury Sun [1] [2]	17	17	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,922
South Africa [1] [2]	17	17	Nor.	The Texas Co.	Sydney, Aus'lia.	Pt. Arthur, Tex.	Ballast	.....
Belgium Maru	17	17	Jap.	Kokusai Kisen Kaisha	Iloilo, P.I.	New Orleans, La.	Sugar	7,500
Canadian Conqueror.	17	19	Brit.	Can. Nat. Steamships	Melbourne, Au'lia	Montreal, Can.	([15])	4,923
Ethan Allen	17	18	Amer.	Lykes Brothers	Manila, P.I.	New Orleans, La.	Sugar, gen.	10,177
Santa Teresa	17	18	Amer.	Grace Line	Talcahuano, Chile	New York, N.Y.	General	2,929

[1] Tanker. [2] Motor ship. [3] Motor schooner. [5] Launch. [7] Submarine. [12] Cruiser. [13] And return to Cristobal. [14] Steel, iron, general, etc. [15] Dried fruit, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Malay [1]	18	18	Amer.	U.S. Navy	Los Angeles, Cal.	Norfolk, Va.	Fuel oil	11,397
Svealand [2]	18	18	Swed.	Ore S.S. Corp.	Cruz Gr'de, Chile	New York, N.Y.	Iron ore	22,300
Vancouver City [2]	18	18	Brit.	Mitsui & Co.	Dairen, China	Cobh, Ireland	Soy beans	8,350
San Diego	18	19	Fr.	French Line	Vancouver, B.C.	Le Havre, France	General	5,548
Emergency Aid	17	18	Amer.	Pac.-Arg.-Brazil Line.	Pt.Gamble,Wash.	BuenosAires,Arg.	Lumber, gen.	3,767
Brant [10]	16	18	Amer.	U.S. Navy	San Diego, Cal.	Newport, R.I.	.....	.....
Sonoma [10]	16	18	Amer.	U.S. Navy	Los Angeles, Cal.	Newport, R.I.	.....	.....
California	18	19	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	2,521
Sambu [5]	19	20	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	33
Real [2]	19	20	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	43
Hokuroku Maru [2]	19	20	Jap.	Osaka Shosen Kaisha.	Hongkong, China	Baltimore, Md.	([14])	3,696
Los Angeles [2]	19	20	Ger.	North German Lloyd.	Vancouver, B.C.	Hamburg, Ger.	General	7,179
Tainui	19	20	Brit.	Shaw, Savill & Albion	Timaru, N.Z.	London, Eng.	Frozen, gen.	3,938
Joseph Seep [1]	19	20	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,212
Cornwall	19	20	Brit.	FederalSteamNav.Co.	N.Plymouth,N.Z.	Glasgow, Scot.	Frozen, gen.	5,806
Occidental [1]	20	20	Amer.	The Texas Co.	Los Angeles, Cal.	Bayonne, N.J.	Gasoline	8,393
Steel Mariner	20	20	Amer.	Isthmian S.S. Lines.	Port Alice, B.C.	Baltimore, Md.	General	7,927
Swiftscout [1]	20	20	Amer.	C. D. Mallory & Co.	Los Angeles, Cal.	Newark, N.J.	Fuel oil	11,124
Hansa [1] [2]	20	21	Ger.	John T. Essberger	Los Angeles, Cal.	Vigo, Spain	Fuel oil	8,394
Uffington Court	20	20	Brit.	Canadian Transp. Co.	N. Westm'r, B.C.	S'ampton, Eng.	Wheat,lum'r	8,301
Turakina	21	21	Brit.	N.Z. Shipping Co.	Oamaru, N.Z.	Glasgow, Scot.	Frozen, gen.	5,808
Ohioan	21	21	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass.	General	5,481
Knute Nelson [2]	21	22	Nor.	Fred Olsen & Co.	Vancouver, B.C.	Oslo, Norway	General	6,897
Sambu [5]	21	22	Pan.	Elliot Ship. & Land Co.	Panama, R.P.	Cristobal, C.Z.	Drums	18
D. L. Harper [1] [2]	21	22	Danz.	W. Tankschiff Rhed'i.	Talara, Peru	S'ampton, Eng.	Crude oil	17,485
Dean Emery [1]	21	22	Amer.	Standard Ship. Co.	Los Angeles, Cal.	Jacksonville, Fla.	Fuel oil	10,840
Point Lobos	21	22	Amer.	Gulf Pac. Mail Line.	Powell Riv., B.C.	Houston, Tex.	General	5,108
Deroche [1]	21	22	Amer.	Union Oil Co., Calif.	Los Angeles, Cal.	Tiverton, R.I.	Gasoline	8,475
Bordeau Maru	21	23	Jap.	Kawasaki Docky'd Co	Iloilo, P.I.	Baltimore, Md.	([15])	6,907
Shoehei Maru [2]	22	22	Jap.	Mitsui & Co.	Iloilo, P.I.	New York, N.Y.	Sugar, gen.	8,256
Aleksandar I	22	22	J-Slav.	Jugoslavenski Lloyd.	Mejillones, Chile.	Azores [13]	Nitrate	9,250
Rapot	22	22	Ger.	North German Lloyd.	Valparaiso, Chile.	Bremen, Ger.	General	8,404
Nuevo Panama	22	23	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	([16])	218
California Express. [2]	22	23	Nor.	Fruit Express Line	Los Angeles, Cal.	London, Eng.	([17])	1,200
Nordfarer [2]	22	23	Dan.	Anglo-Can. Ship. Co.	Vancouver, B.C.	London, Eng.	Lumber, lead	7,000
Lochgoil [2]	22	24	Brit.	Royal Mail Lines, Ltd	Victoria, B.C.	Rotterdam,Neth.	General	7,464
Cali	23	...	Ger.	North German Lloyd.	Guayaquil,Ecuad	Cristobal, C.Z.	General	702
Pan Gothia [1] [2]	23	23	Swed.	Standard Ship. Co.	Talara, Peru	Hamburg, Ger.	Refined oil	13,664
Mauna Ala	23	23	Amer.	Matson Nav. Co.	Honolulu, T.H.	New York, N.Y.	([18])	8,630
Hugoton [1]	23	23	Amer.	U.S. Navy	Los Angeles, Cal.	Norfolk, Va.	Fuel oil	10,890
President Taft	24	24	Amer.	Dollar Line	Los Angeles, Cal.	New York, N.Y.	General	2,901
Acajutla	23	1	Brit.	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C.Z.	Coffee, gen.	531
Nosa King	23	24	Amer.	Nosa Line	SanAntonio,Chile	New York, N.Y.	([19])	4,812
F. H. Bedford, Jr. [1] [2]	24	27	Danz.	Standard Franco Amer	Talara, Peru	Le Havre, France	Crude oil	16,703
Santa Lucia	24	25	Amer.	Grace Line	S. Francisco, Cal.	New York, N.Y.	Coffee, gen.	3,290
Tai Ping Yang [2]	24	25	Pan.	Barber-Wilhelmsen	Manila, P.I.	New York, N.Y.	General	6,990
Umberleigh	24	25	Brit.	Anglo-Can. Ship. Co.	Pt. Alberni, B.C.	Liverpool, Eng.	([20])	8,500
Aldington Court [2]	24	25	Brit.	Anglo-Can. Ship. Co.	S. Francisco, Cal.	Dublin, Ireland.	([21])	8,510
Lebore	26	26	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,700
Hussar [2] [6]	25	26	Amer.	E. F. Hutton	Los Angeles, Cal.	New York, N.Y.	Ballast	.....
Genevieve Lykes	26	27	Amer.	Lykes Bros S.S. Co.	B'ventura, Col.	Santo Domingo.	Cement	425
Tacoma	26	26	Ger.	Hamburg-Amer. Line.	Vancouver, B.C.	Hamburg, Ger.	General	7,987
Sambu [5]	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	20
Tuira [2]	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	66
Bodegraven	26	27	Neth.	Royal Neth. S.S. Co.	Corral, Chile	Hamburg, Ger.	General	8,700
Avelona Star	26	27	Brit.	Blue Star Line	Bluff, N.Z.	London, Eng.	Frozen, gen.	6,721
A. B. Obarrio [2]	26	27	Pan.	A. Valdes	Bayano, R.P.	Cristobal, C.Z.	Bananas	32
Steel Maker	26	26	Amer.	Isthmian S.S. Lines	Port Allen, T.H.	Philadelphia, Pa.	Sugar, gen.	8,738
Trontolite [1] [2]	27	27	Brit.	Imperial Oil Co.	Talara, Peru	Montreal, Can.	Gasoline	7,359
Yorkmar	27	27	Amer.	Calmar S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	2,764
Santa Clara	27	28	Amer.	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	3,943
Timber Rush	27	27	Amer.	Shepard S.S. Co.	S. Francisco, Cal.	Albany, N.Y.	General	2,897
Robert Luckenbach.	27	28	Amer.	Luckenbach Line	Pt. Town'd,Wash	Boston, Mass.	General	4,516
Santa Monica [2]	27	29	Amer.	Panama Mail S.S. Co.	S. Francisco, Cal.	Cristobal, C.Z.	General	773
Trois Ilets	28	2	Fr.	French Line	B'ventura, Col.	Cristobal, C.Z.	Coffee	194
Halsey [1]	27	28	Amer.	Shell Oil Co.	S. Francisco, Cal.	Fall Riv., Mass.	Kerosene	10,010
Nuevo Panama [2]	28	29	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C.Z.	([16])	221
Absaroka	28	28	Amer.	McCormick S.S. Co.	S. Francisco, Cal.	Philadelphia, Pa.	General	3,155
Ardmore [1]	28	29	Amer.	U.S. Navy	Los Angeles, Cal.	Norfolk, Va.	Fuel oil	10,889
Standard [1]	29	29	Amer.	Standard Oil Co., N.J.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	17,947
San Vincente	28	29	Amer.	Quaker Line	S. Francisco, Cal.	Philadelphia, Pa.	General	4,585
Axel Johnson [2]	29	29	Swed.	Johnson Line	Vancouver, B.C.	Goth'burg, Swed.	Wheat, gen.	6,063
Tsuyama Maru	28	30	Jap.	Nippon Yusen Kaisha	Manila, P.I.	New York, N.Y.	Sugar, gen.	8,430
Southern Sun [1] [2]	29	29	Amer.	Sun Oil Co.	El Segundo, Cal.	Chester, Pa.	Gasoline	13,614
Villanger [2]	27	29	Nor.	Interocean S.S. Corp.	Vancouver, B.C.	Rotterdam, Neth.	Grain, gen.	7,187

[1] Tanker. [2] Motor ship. [5] Launch. [6] Yacht. [10] Mine sweeper. [13] For orders. [14] Raw silk, general. [15] Sugar, silk, general. [16] Coffee, Panama hats. [17] Oranges, grapefruit. [18] Sugar, pineapples. [19] Ores, empty drums. [20] Zinc concentrates. [21] Wheat, lumber, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port From—	Port For—	Cargo Nature	Cargo Tons
Remuera	30	1	Brit...	N.Z. Shipping Co.	Auckland, N.Z.	London, Eng.	Frozen, gen.	4,789
Komaki Maru [2]	29	30	Jap...	Kokusai Kisen Kaisha	Manila, P.I.	New Orleans, La.	Sugar, gen.	7,342
Chester Sun [1] [2]	29	30	Amer..	Sun Oil Co.	Los Angeles, Cal.	Marcus Hook, Pa.	Gasoline	13,486
Republic	29	1	Amer..	U.S. Army	Honolulu, T.H.	Brooklyn, N.Y.	Army stores.	881
Chr. Th. Boe [1] [2]	30	30	Nor...	Olaf Boe & Co.	Talara, Peru	Nyneshamn, Swed	Crude oil	9,300
Pacific Trader [2]	30	1	Brit...	Furness, Withy & Co.	Vancouver, B.C.	Glasgow, Scot.	General	8,366
Cerigo	30	2	Ger...	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z.	General	807
Mauna Loa	30	30	Amer..	Matson Nav. Co.	Kahului, T.H.	New York, N.Y.	(14)	7,372
Peter Hurll [1] [2]	30	30	Danz..	W. Tankschiff Rhed'i.	Talara, Peru	Le Havre, France	Crude oil	16,924
Pennsylvanian	30	30	Amer..	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass.	General	4,651
E. J. Bullock [1]	30	1	Amer..	Standard Ship. Co.	Los Angeles, Cal.	Jacksonville, Fla.	Fuel oil	10,376
District of Columbia. [1]	30	1	Amer..	Standard Ship. Co.	Los Angeles, Cal.	Baltimore, Md.	Fuel oil	10,599
Gertrude Kellogg [1]	30	1	Amer..	Kellogg S.S. Co.	Manila, P.I.	New York, N.Y.	Coconut oil	6,600
Pasajero [2]	30	1	Hond..	F. Beltran	Amapala, Hond.	Trujillo, Hond.	Salt	50
Jedmoor [2]	1	1	Brit...	Louis Dreyfus & Co.	Vlad'ok, U.S.S.R.	Azores [13]	Soy beans	7,800
Bradglen	1	1	Brit...	Reardon Smith Line.	S. Francisco, Cal.	Cardiff, Wales	General	8,092
Calgarolite [1] [2]	1	2	Brit...	Imperial Oil Co., Ltd.	Cabo Blanco, Per.	Montreal, Can.	Crude oil	16,560
Orduna	1	2	Brit...	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	General	8,724
Tulsagas [1]	1	2	Amer..	Associated Oil Co.	Los Angeles, Cal.	New York, N.Y.	(15)	9,612
Quarrington Court	1	2	Brit...	Canadian Transp. Co.	Vancouver, B.C.	London, Eng.	Lum'r, grain	10,064
Chateau Thierry [8]	28	3	Amer..	U.S. Army	Balboa, C.Z.	New York, N.Y.	Army stores.	90
Santa Inez [2]	1	2	Amer..	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	3,989
Wisconsin	1	3	Fr...	French Line	Vancouver, B.C.	Havre, France	General	7,588
Trondanger [2]	2	2	Nor...	Interocean Line	Vancouver, B.C.	Rotterdam, Neth.	General	8,002
Ontariolite [1] [2]	2	2	Brit...	Imperial Oil Co., Ltd.	Lobitos, Peru	Halifax, N.S.	Crude oil	12,319
Virginia	2	3	Amer..	Panama-Pacific Line.	S. Francisco, Cal.	New York, N.Y.	General	4,263
Mevania [1]	3	3	Amer..	Shell Oil Co.	Los Angeles, Cal.	New York, N.Y.	Gasoline	9,260
Sambu [5]	3	4	Pan...	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	23
Tuira [2]	3	4	Pan...	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z.	Bananas	51
Snestead [2]	3	3	Nor...	Fern Line	Iloilo, P.I.	Baltimore, Md.	Sugar	7,200
Meton [1]	3	3	Amer..	Shell Eastern Co.	Los Angeles, Cal.	Baltimore, Md.	Naphtha	9,251
Point Chico	3	3	Amer..	Swayne & Hoyt	S. Francisco, Cal.	Tampa, Fla.	General	5,135
Winkleigh	3	3	Brit...	Anglo-Canadian	Vancouver, B.C.	London, Eng.	Wheat, lum'r	8,840
Clearton	3	3	Brit...	Nitrate Corp., Chile.	Tocopilla, Chile.	Azores [13]	Nitrate	7,825
Speybank [2]	3	4	Brit...	East Asiatic Co.	Dairen, China	Cobh, Ireland	Soy beans	8,321
Silverfir [2]	3	4	Brit...	Silver Line, Ltd.	Shanghai, China	New York, N.Y.	(16)	7,362
Amagisan Maru [2]	3	4	Jap...	Mitsui & Co., Ltd.	Manila, P.I.	New York, N.Y.	Sugar, gen.	7,768
Turicum [2]	4	4	Nor...	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Habana, Cuba	Gasoline	10,140
Hamm	4	5	Ger...	Hamburg-Amer. Line.	Pimentel, Peru	Hamburg, Ger.	(17)	5,650
Paul Luckenbach.	4	4	Amer..	Luckenbach Gulf Co.	S. Francisco, Cal.	Mobile, Ala.	General	2,381
Iris	4	8	Neth..	Royal Neth. S.S. Co.	Guayaquil, Ecuad	Cristobal, C.Z.	General	226
Willzipo	5	5	Amer..	Williams S.S. Corp.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	4,500
Steel Inventor	5	5	Amer..	Isthmian S.S. Lines.	Honolulu, T.H.	Baltimore, Md.	(18)	8,800
Willamette Valley	5	6	Brit...	W. R. Smith & Sons.	Dairen, China	Hamburg, Ger.	Soy beans	8,400
Cathwood [1]	5	6	Amer..	Union Oil Co., Calif.	Los Angeles, Cal.	Tiverton, R.I.	Gasoline	8,371
John Worthington. [2]	5	6	Amer..	Standard Ship. Co.	Los Angeles, Cal.	Norfolk, Va.	Fuel oil	12,557
PacificCommerce [2]	6	6	Brit...	Canadian Transp. Co.	Vancouver, B.C.	Montreal, Can.	Lumber, gen.	6,450
Dobbin [1]	4	6	Amer..	U.S. Navy	San Diego, Calif.	New York, N.Y.	.....	.....
Bonneville	5	6	Nor...	Fern Line	Manila, P.I.	New York, N.Y.	Sugar	8,000
Drechtdijk [2]	6	7	Neth..	N. Pacific Coast Line.	Victoria, B.C.	Rotterdam, Neth.	Wheat, gen.	7,944
Gertrude Maersk.	6	7	Deu...	A. P. Moller	Bais, P.I.	New York, N.Y.	General	6,210
London Maru	6	7	Jap...	Osaka Shosen Kaisha.	Bais, P.I.	New York, N.Y.	(19)	6,439
R. L. Hague [1] [2]	6	7	Ital...	Standard Ship. Co.	Talara, Peru	S'ampton, Eng.	Crude oil	16,849
Takaoka Maru	6	7	Jap...	Nippon Yusen Kaisha	Iloilo, P.I.	New York, N.Y.	Sugar, gen.	5,830
D. G. Scofield [1]	6	7	Amer..	Standard Ship. Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	10,782
Nyhorn [2]	6	7	Nor...	Knut Knutsen, C.A.S.	Tocopilla, Chile.	Stockholm, Swed.	(20)	7,311
Salvador	7	...	Brit...	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C.Z.	General	552
Manizales	7	9	Ger...	North German Lloyd.	Guayaquil, Ecuad	Cristobal, C.Z.	General	985
Angel	7	7	Chile..	M. Hochschild & Co.	Valparaiso, Chile.	New York, N.Y.	(21)	6,132
Westmoreland	7	7	Brit...	N.Z.& Fed.SteamNav.	Napier, N.Z.	S'ampton, Eng.	Frozen, gen.	4,533
Tamiahua [1]	7	7	Amer..	Standard Ship. Co.	Los Angeles, Cal.	New York, N.Y.	Fuel oil	15,499
Yomachichi [2]	7	8	Amer..	Roosevelt S.S. Co.	Iloilo, P.I.	New York, N.Y.	Sugar, gen.	7,555
Icy-V [5]	7	...	Amer..	R. H. Brereton	Balboa, C.Z.	Cristobal, C.Z.	.....	.....
President Wilson.	8	8	Amer..	Dollar Line	Hongkong, China	New York, N.Y.	General	2,963
Minnesotan	8	8	Amer..	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass.	General	5,104
Canadian Britisher.	8	9	Brit...	Can. Nat. Steamships	Melbourne, Aus'a	Montreal, Can.	General	2,563
Cape Horn [2]	8	8	Brit...	Cape York M.S. Co.	Vancouver, B.C.	London, Eng.	Lumber, gen.	9,455
S. M. Spalding [1]	8	8	Amer..	Standard Ship. Co.	Los Angeles, Cal.	Charleston, S.C.	Gasoline	9,137
Santa Paula	8	9	Amer..	Grace Line	S. Francisco, Cal.	New York, N.Y.	General	3,205
Brynje [2]	8	9	Nor...	Canadian Transp. Co.	Vancouver, B.C.	Newcastle, Eng.	Lumber, gen.	6,800
Bente Maersk [1] [2]	8	9	Dan...	Standard Oil Co.	Talara, Peru	Liverpool, Eng.	Gas oil	8,251
T. J. Williams [1]	8	9	Amer..	Standard Ship. Co.	Los Angeles, Cal.	Portland, Me.	Fuel oil	12,332
Steel Exporter	9	9	Amer..	Isthmian S.S. Lines.	Vancouver, B.C.	Swansea, Eng.	(22)	7,580
Nosa Prince	9	9	Amer..	American Metal Co.	Valparaiso, Chile.	New York, N.Y.	Ores	4,800

[1] Tanker. [2] Motor ship. [5] Launch. [8] Transport. [13] For orders. [14] Sugar, wallboard. [15] Gasoline, lubricating oil. [16] Wood oil, sugar. [17] Cotton, sugar. [18] Sugar, pineapples, tin. [19] Sugar, silk, general. [20] Salt, copper, cotton. [21] Copper, silver ores. [22] Lumber, wheat, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Roland	9	10	Ger...	North German Lloyd.	Lota, Chile	Hamburg, Ger...	General	5,661
Romney	9	9	Brit...	Chilean Nitrate Co...	Ant'fagasta, Chile	Alexandria, Egypt	Nitrates	9,600
Trois Ilets	9	13	Fr...	French Line	B'ventura, Col...	Cristobal, C.Z...	Coffee	185
Leeds City	9	10	Brit...	Mitsui & Co	Dairen, China...	Cobh, Ireland [13]	Soy beans	8,100
Tomislav	9	10	J-Slav.	Chilean Nitrate Co...	Tocopilla, Chile..	Alexandria, Egypt	Nitrate	7,950
Jacob Luckenbach	9	10	Amer..	Luckenbach Line	Stockton, Calif..	Boston, Mass.	General	3,544
San Lorenzo [2]	9	11	Pan...	A. Valdes	Bayano, R.P.	Cristobal, C.Z...	Bananas	20
H. M. Storey [1]	9	10	Amer..	Standard Oil Co., N.J.	Los Angeles, Cal.	Providence, R.I..	Fuel oil	16,166
Tuira [2]	10	11	Pan...	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z...	Bananas	55
Sambu [5]	10	11	Pan...	Elliot Ship. & Land Co.	Darien, R.P.	Cristobal, C.Z...	Bananas	12
Trimountain [1]	10	10	Amer..	Shell Terminal Corp..	Los Angeles, Cal.	Fall River, Mass.	Gascline	8,832
Launch	...	...	Amer..	U.S. Navy	Balboa, C.Z.	Cristobal, C.Z...	.....	.....
Mataroa	10	11	Brit...	Shaw, Savill & Albion	Pt.Chalmers, N.Z.	London, Eng.	Forzen, gen.	4,791
K. R. Kingsbury [1]	8	11	Amer..	Standard Ship. Co...	El Segundo, Cal..	Boston, Mass.	Fuel oil	10,847
Pacific Pioneer [2]	10	11	Brit...	Furness, Withy & Co.	Vancouver, B.C..	Glasgow, Scot...	General	7,622
Santa Maria [2]	11	11	Amer..	Grace Line	Valparaiso, Chile.	New York, N.Y.	General	4,645
Rigel [2]	11	11	Nor...	Westfal, Larsen & Co.	Vancouver, B.C..	London, Eng.	([14])	5,870
Amasis	11	11	Ger...	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger...	Nitrate, gen.	8,574
San Rafael	12	12	Amer..	States S.S. Co.	Stockton, Calif..	Philadelphia, Pa.	([14])	3,704
Amerikaland [2]	12	12	Swed..	Ore S.S. Corp	Cruz Gr'de, Chile	Baltimore, Md...	Iron ore	22,400
Santa Catalina [2]	12	14	Amer..	Grace Line	S. Francisco, Cal.	Cristobal, C.Z...	Coffee, gen..	522
Montreal Maru	12	13	Jap...	Kawasaki K. Kaisha.	Dairen, China...	Houston, Tex.	([15])	7,000
Houston City [2]	12	12	Brit...	East Asiatic Co	Dairen, China...	Cobh, Ireland [13]	Soy beans	9,050
Cowrie [1] [2]	12	13	Brit...	Anglo-Saxon Pet. Co..	Los Angeles, Cal.	Curacao, D.W.I.	Fuel oil	11,944
Kwanto Maru [2]	12	14	Jap...	Osaka Shosen Kaisha.	Hongkong, China	Baltimore, Md...	([15])	3,853
William A. McKenney.	13	13	Amer..	McCormick S.S. Co..	S. Francisco, Cal.	Philadelphia, Pa.	General	4,570
Hoxbar [1]	13	13	Amer..	Union Oil Co., Calif...	Los Angeles, Cal.	New York, N.Y.	Fuel oil	10,774
Geisha [2]	14	14	Nor...	Knut Knutsen	Valparaiso, Chile.	Oslo, Norway	General	5,466
Wiegand	13	14	Ger...	Comp. Salitre de Chile	Iquique, Chile	Alexandria, Egypt	Saltpeter	8,170
Gedania [1]	13	14	Ger...	Agwi Petroleum Co..	Talara, Peru	S'ampton, Eng..	Crude oil	12,831
W. S. Rheem [1]	13	14	Amer..	Standard Ship. Co...	El Segundo, Cal.	New York, N.Y.	Fuel oil	15,057
Durazzo	14	16	Ger...	Hamburg-Amer. Line.	Guayaquil, Ecuad	Cristobal, C.Z...	([16])	613
Californian [2]	14	14	Amer..	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass.	General	5,103
Istmo	14	16	Pan...	Elliot Ship. & Land Co.	B'ventura, Col...	Cristobal, C.Z...	Coffee, gen..	616
Kanawah [1]	13	...	Amer..	U.S. Navy	Los Angeles, Cal.	Cristobal, C.Z...	Gasoline	500
Ensley City	14	15	Amer..	Isthmian S.S. Lines..	Honolulu, T.H...	Baltimore, Md...	([17])	8,005
Hindanger [2]	15	15	Nor...	Interocean S.S. Co.	N. Westm'r, B.C.	Le Havre, France	Wheat, gen..	7,187
Comet [1]	15	16	Amer..	Stand. Vacuum Tr'sp.	Talara, Peru	London, Eng.	Naphtha	12,310
Oakmar	15	15	Amer..	Calmar S.S. Corp.	S. Francisco, Cal.	Baltimore, Md...	Lumber, gen.	3,795
Tarakan [2]	15	15	Neth..	Pac.-Java Bengal Line	S. Francisco, Cal.	Calcutta, India..	([18])	5,791

[1] Tanker. [2] Motor ship. [5] Launch. [13] For orders. [14] Lumber, wheat, general. [15] Raw silk, general. [16] Coffee, cocoa, general. [17] Sugar, pineapples. [18] Coconut oil, general.

Notices to Mariners and Aviators

Panama Bay, Chame Cove. Notice No. 345 of June 23, 1934, states that the Administrator General of the Liquor Tax, Piers and Lighthouses of the Republic of Panama, advises that the lighthouse recently ordered built, is already in operation on Pan de Azucar Island, inside the Chame Cove. The lighthouse has a flashing white light with a period of 3 seconds; flash 0.3 seconds, eclipse 2.7 seconds.

Panama Canal, Pacific entrance, Ancon Hill. Notice No. 345 of July 11, 1934, states:

1. Eight radio masts now project over the mesa-like top of Ancon Hill; approximately they are in two meridional lines, 5 and 3 masts respectively, in positions as below, numbering from south to north:

No. 1—Latitude 8°57′ + 2,996.3 feet, longitude 79°33′ + 828.1 feet
No. 2—Latitude 8°57′ + 3,171.7 feet, longitude 79°33′ + 829.4 feet
No. 3—Latitude 8°57′ + 3,352.7 feet, longitude 79°33′ + 843.5 feet
No. 4—Latitude 8°57′ + 3,506.9 feet, longitude 79°33′ + 817.8 feet
No. 5—Latitude 8°57′ + 3,671.4 feet, longitude 79°33′ + 791.9 feet
No. 6—Latitude 8°57′ + 3,335.2 feet, longitude 79°33′ + 744.9 feet
No. 7—Latitude 8°57′ + 3,491.5 feet, longitude 79°33′ + 720.0 feet
No. 8—Latitude 8°57′ + 3,655.0 feet, longitude 79°33′ + 693.3 feet

2. Two groups of two fixed red, 50-watt obstacle lights each, exist. But one light each is actually placed on a mast as below:

First group—Masts 5 and 6
Second group—Masts 3 and 8

But one group of lights will be shown at one time and the changing of groups will be without notice. The lights on masts 5 and 8 are 67 feet above the ground; those on 3 and 6, 50 feet. The elevation of Ancon Hill is approximately 660 feet above sea level.

Supplement to Navigation Regulations—Merchant Ship Anchorages

Under date of July 2, 1934, The Panama Canal issued supplement No. 5 to the "Navigation Regulations," amending Regulation 11.1 to read as quoted below:

Regulation 11.1. *Merchant ship anchorages:* The following areas for merchant ship anchorages are designated: *Atlantic end:* Area immediately west of Canal channel line, bounded on the south by line joining gas buoy No. 4 and a point "A," 1,600 yards due west of gas buoy No. 4; on the west by line extending 1,800 yards due north of point "A" to point "B;" and on the north by line extending from point "B" to Canal channel and parallel to west breakwater. *Gatun Lake anchorage basin:* Area immediately east of Canal channel line, bounded by a line extending southeasterly from the east wing wall at south end of Gatun Locks to spar buoy "A," thence to spar buoy No. 1 and to spar buoy No. 3, thence southwesterly to the Canal channel line at gas buoy No. 9. *Pacific end:* Area immediately northeast of Canal prism extension and southeast of a line joining gas buoy No. 4 to Flamenco Island Light.

Navigation Regulations—Hazardous Cargoes

Under date of February 15, 1934, The Panama Canal issued supplement No. 4 to its "Navigation Regulations," which supplement deals with the transportation of hazardous cargoes in Canal Zone waters. Reference to it was published in THE PANAMA CANAL RECORD of March 15, 1934. Under date of June 30, 1934, the Canal issued change No. 1 to this supplement No. 4. Change No. 1 states:

(1) The following changes in the above-named supplement are effective immediately:

(*a*) The date by which structural changes, required by the introductory paragraph, must be effected is extended to December 15, 1934.

(*b*) REGULATION 88.B–5 (6): Petroleum products of any grade may be carried in the intermediate cofferdams which separate the main cargo tanks from each other, provided that the same requirements are fulfilled in regard to these cofferdams as are laid down for the cargo tanks carrying a similar grade of material; and provided further, that there will be no possibility of the contents of such cofferdams entering the bunker fuel system of the vessel either by neglect or accident. This modification, however, does not apply to the cofferdams separating the cargo tanks from other compartments of the vessel.

New Vessels for East Coast United States-Far East Trade

According to a recent shipping report, the Nippon Yusen Kaisha has under construction 6 express motor ships for its silk trade to the Atlantic coast of the United States. The vessels are said to be each of 7,300 gross tons, and will be capable of a speed of 18 knots. Accommodations are to be provided in each vessel for 6 passengers. The new vessels are to be commissioned this year and replace the 8 steamers which now operate in the company's New York run.

The report further states that the Kokusai Kisen Kaisha also is to place 6 new silk express motor vessels in its New York trade. These new vessels are to be each of 6,468 gross tons and have a maximum speed of 19 knots. The first of this fleet, the *Komaki Maru*, made her first transit of the Canal from Pacific to Atlantic, on February 14, 1934.

The trade between the east coast of the United States and the Far East ranks third at present among the trades through the Panama Canal. Some of the more important lines operating in this trade are the Nippon Yusen Kaisha, Osaka Shosen Kaisha, Mitsui Bussan Kaisha, Kokusai Kisen Kaisha, Dollar Line, Lykes Brothers & Ripley, the Roosevelt Line, the Isthmian Line, the Ellerman Lines, the Barber Line, and Andrew Weir & Company.

Appointments

Col. Orville G. Brown, Medical Corps, U.S.A., was appointed Chief Health Officer, effective June 30, 1934, vice Col. Joseph F. Siler, relieved from duty with The Panama Canal. Effective the same date Col. Edgar King, Medical Corps, U.S.A., was appointed Superintendent, Gorgas Hospital.

Lt. Comdr. Charles F. Osborn, Construction Corps, United States Navy, was appointed Superintendent, Mechanical Division, vice Capt. Roy W. Ryden, relieved from duty with The Panama Canal, effective July 2, 1934, noon.

Visit of President Roosevelt

President F. D. Roosevelt of the United States arrived at Cristobal breakwater at 8:10 a.m., July 11, 1934, on board the cruiser *Houston* of the United States Navy, from Annapolis via Cape Haitien, Mayaguez, San Juan, St. Thomas, St. Croix, and Cartagena. The *Houston*, with the President aboard, began transit through the Canal at 10:05 a.m., and docked at Dock 16, Balboa, at 4:12 p.m. At all of the locks the President was greeted by residents of the Canal Zone and Panama, and at Gatun and Miraflores locks military courtesies were rendered by Army forces from the corresponding sectors. This was the first passage through the Canal by a President of the United States while incumbent in the office.

At Balboa the President received numerous visitors aboard and came ashore on three occasions for drives through parts of the Canal Zone and Panama. He continued his journey to Hawaii, via Cocos Island, on July 12, the *Houston* clearing from the dock at 5:30 p.m.

Applications for Positions as Pilot and Towboat Engineer in the Panama Canal Service

During the depression in shipping The Panama Canal has employed no new personnel in these positions. The result is that the applications for employment now on file are largely out of date, and although there is no immediate indication of need of additional men, the Canal will be pleased to receive applications from qualified American citizens. Applications should be addressed to the Chief of Office, The Panama Canal, Washington, D.C.

The basic qualifications for pilot are: United States citizenship; high school education or two years of high school plus a course in a State nautical training school; master's license for unlimited tonnage on seagoing vessels, or both master's and pilot's unlimited license on inland or Great Lakes steamers; 10 years' seagoing experience, covering at least 7 years service as an officer and one of the 7 years as master under unlimited license; good health, and age not over 35 years. Other facts being equal, preference will be given to ex-service men of the Navy and Coast Guard and men employed on the floating equipment of The Panama Canal, and age limit will be extended in such cases not to exceed 5 years. At the present time appointments are authorized at the rate of $266.67 per month as pilot in training, and providing the employee's services are satisfactory in all respects, advancement may be made to a maximum rate of $416.67 per month after the completion of an 18 months' training period, provided there is a vacancy.

In submitting applications it is important to describe fully any towboat experience and/or experience in handling large vessels around docks without the assistance of towboats. It should be stated further how many, if any, of the following positions the applicant would be willing to accept with the possibility of being made a pilot at a later date, it being understood, however, that The Panama Canal cannot guarantee a vacancy in or appointment to the latter position:

	Present entrance rate per month		Present entrance rate per month
Harbormaster	$395.83	Master, *U.S. Favorite*	$377.00
Coxswain-engineer	163.00	1st Mate, *U.S. Favorite*	272.00
Dock foreman	214.00	2d Mate, *U.S. Favorite*	247.00
Master, towboat	305.00	Operator-machinist (Diesel-tug)	261.00

The Panama Canal is also desirous of renewing its eligibility list for towboat engineers. Applicants for this position must be not over 45 years old. Applicants should state what Federal licenses are held and give a complete summary of all engineering experience. At present entrance rates for marine engineers range from $163 to $300 per month, depending upon the class of equipment to which the employee is assigned. Applications should be forwarded to the same address as for pilots.

It will be appreciated if marine journals of the United States will give publicity to this notice.

Ships' Chandlery Supplies

Panama Canal Storehouses carry a complete line of ships' chandlery supplies, available for sale to ships at C. I. F. cost plus 25 per cent surcharge which covers local freight, handling, and other costs.

Directory of The Panama Canal

Executive Department

Headquarters, Balboa Heights

LIEUT. COL. J. L. SCHLEY, U. S. A., Governor.
L. A. Poltrino, Secretary.
C. A. MCILVAINE, Executive Secretary.
JNO. H. SMITH, Chief Clerk, Executive Office.
GUY JOHANNES, Chief, Police and Fire Division.
C. H. CALHOUN, Chief, Division of Civil Affairs.
BEN M. WILLIAMS, Superintendent, Division of Schools.
E. F. ATTAWAY, General Secretary, Bureau of Clubs and Playgrounds.
N. A. BECKER, Land Agent and Assistant Counsel, Ancon.

Department of Operation and Maintenance

(Under immediate direction of the Governor as head of the department)

Headquarters, Balboa Heights

LIEUT. COL. C. S. RIDLEY, U. S. A., Engineer of Maintenance.
J. G. CLAYBOURN, Superintendent, Dredging Division, Paraiso.
LEONARD FOOTE, Assistant Superintendent, Dredging Division, Paraiso.
E. S. RANDOLPH, Construction Engineer, Madden Dam Division.
MAJ. WM. E. R. COVELL, U. S. A., Assistant Engineer of Maintenance.
A. C. GARLINGTON, Electrical Engineer, Electrical Division.
G. W. GREEN, Municipal Engineer, Division of Municipal Engineering.
L. W. LEWIS, Office Engineer.
E. D. STILLWELL, Superintendent, Locks Division, Pedro Miguel.
R. Z. KIRKPATRICK, Chief of Surveys, Section of Surveys.
CAPT. WM. ANCRUM, U. S. N., Marine Superintendent, Marine Division.
COMMANDER THOMAS A. SYMINGTON, U. S. N., Captain of the Port, Cristobal.
LIEUT. COMMANDER L. B. SCOTT, U. S. N., Captain of the Port, Balboa.
LIEUT. COMMANDER ASA V. WATSON, U. S. N., Assistant to Marine Superintendent.
BOARD OF LOCAL INSPECTORS, COMMANDER THOMAS A. SYMINGTON, U. S. N., *Chairman*, LIEUT. COMMANDER L. B. SCOTT, U. S. N., and LIEUT. COMMANDER ASA V. WATSON, U. S. N., members.
BOARD OF ADMEASUREMENT, CAPT. WM. ANCRUM, U. S. N., *Chairman*, F. de V. SILL, Balboa, F. E. WILLIAMS, Cristobal, members.
John J. Walker, Recorder for Board of Local Inspectors and Board of Admeasurement.
O. MAESSEN, Inspector of Hulls and Boilers.
F. KARIGER, Pilot in Charge, Lighthouse Subdivision, Gatun.
LIEUT. COMMANDER CHAS. F. OSBORN, Naval Constructor, U. S. N., Superintendent, Mechanical Division, Balboa.
H. H. EVANS, Assistant Superintendent, Mechanical Division, Balboa.
LIEUT. ROY T. COWDREY, U. S. N., Assistant to the Superintendent, Mechanical Division, Balboa.
W. H. STONE, Production Superintendent, Cristobal Shops, Cristobal.

Supply Department

Headquarters, Balboa Heights

ROY R. WATSON, Chief Quartermaster.
J. H. K. HUMPHREY, Assistant Chief Quartermaster.
SAMUEL GRIER, General Foreman, Transportation Division.
J. E. HIGGINS, Director, Canal Zone Experiment Gardens.
B. C. POOLE, District Quartermaster, Ancon-Balboa, Balboa Heights.
J. M. KING, District Quartermaster, Cristobal-Gatun, Cristobal.
C. PETERS, District Quartermaster, Pedro Miguel.
WM. T. MCCORMACK, Manager, Hotel Tivoli, Ancon.
JAS. E. LEWIS, Manager, Hotel Washington, Cristobal.
A. W. GOULET, General Manager, Commissary Division, Mt. Hope (P. R. R.).
J. B. FIELDS, Constructing Quartermaster.
E. H. PARMELEE, General Storekeeper, Balboa.
A. P. E. DOYLE, Printer, The Panama Canal Press, Mount Hope.

Accounting Department
Headquarters, Balboa Heights

ELWYN GREENE, Auditor, The Panama Canal.
WILSON H. KROMER, Assistant Auditor on the Isthmus.
ROBERT W. GLAW, Paymaster.
ALFRED H. MOHR, Collector.
CARL F. CHASE, Chief Accountant.
T. M. DRAKE, Chief Examiner.
H. H. HUDSON, Claim Officer.
J. R. BOBBITT, Railroad Accountant.

Health Department
Headquarters, Balboa Heights

COL. O. G. BROWN, U. S. A., Chief Health Officer.
DR. D. P. CURRY, Assistant Chief Health Officer.
Dr. CHAS. V. AKIN, U. S. P. H. S., Chief Quarantine Officer.
COL. EDGAR KING, U. S. A., Superintendent, Gorgas Hospital, Ancon.
MAJ. D. F. WINN, U. S. A., Superintendent, Colon Hospital, Cristobal.
MAJ. F. H. DIXON, U. S. A., Superintendent, Corozal Hospital, Corozal.
Dr. J. L. BYRD, Health Officer of Panama City, Ancon.
DR. J. C. ELLINGTON, Health Officer of Cristobal-Colon, Cristobal.
DR. C. A. HEARNE, Quarantine Officer, Cristobal.
DR. J. D. ODOM, Quarantine Officer, Balboa.

Wage and Complaints Boards
Balboa Heights

Wage Board:
MAJ. WM. E. R. COVELL, representing The Panama Canal.
H. A. MCCONAUGHEY, representing employees.
Complaints Board:
MAJ. WM. E. R. COVELL, and Head of Department or Division interested, representing The Panama Canal.
H. A. MCCONAUGHEY and one other, representing employees.

The Panama Canal in the United States
Headquarters, Munitions Building, 19th St. and Constitution Ave., NW., Washington, D. C.

A. L. FLINT, General Purchasing Officer and Chief of Office.
E. E. WEISE, Assistant to the Chief of Office.
E. D. ANDERSON, Chief Clerk, Purchasing Department.
H. A. A. SMITH, Assistant Auditor.
W. J. SHERIDAN, Assistant Purchasing Agent, 24 State St., New York, N. Y.
W. A. E. DOYING, Inspecting Engineer, Washington, D. C.

Panama Railroad Company
Headquarters, Balboa Heights

LIEUT. COL. J. L. SCHLEY, U. S. A., President.
LIEUT. COL. C. S. RIDLEY, U. S. A., Second Vice President.
R. B. WALKER, General Manager.
CHAS. W. LEE, Assistant to the General Manager and Commercial Agent.
W. F. FOSTER, Superintendent and Master of Transportation.
E. MCTUCKER, Roadmaster.
C. T. LINDSAY, Receiving and Forwarding Agent, Cristobal.
JOHN O. COLLINS, Counsel, Ancon.

Office in the United States, 24 State Street, New York City

T. H. ROSSBOTTOM, Vice President.
W. R. PFIZER, Assistant to Vice President and Secretary.
V. M. NEWTON, Treasurer.
G. L. SELKIRK, Auditor.
W. K. B. POTTS, Superintendent.
RICHARD REID ROGERS, General Counsel.
T. S. SPRAGUE, Freight Traffic Manager.
A. M. GIBSON, Passenger Agent.
W. J. SHERIDAN, Commissary Purchasing Agent.

(Continued on following page.)

Courts of Canal Zone

U.S. District Court:

RICHARD C. P. THOMAS, District Judge, Ancon.
J. J. WALKER, Clerk of Court, Ancon.
J. S. CAMPBELL, Deputy Clerk of Court, Cristobal.
J. J. MCGUIGAN, District Attorney, Ancon.
JOHN T. BARRETT, Canal Zone Marshal, Ancon.

Magistrates Courts:

P. E. MURRAY, Magistrate, Balboa.
E. I. P. TATELMAN, Magistrate, Cristobal.

Official Publications of Interest to Shipping

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of The Panama Canal and Adjacent Waters," and the current Tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices, including the 25 percent surcharge, to individuals and companies, as of July 15, 1934:

Commodities	Unit	Price
Brass, bar, average	Lb.	$0.20
Brass, sheet, average	Lb.	.44
Bronze, Tobin, average	Lb.	.20
Gasoline, motor grade	Gal.	.11
Metal, yellow	Lb.	.19
Oakum, Navy, spun	Lb.	.18
Oakum, Navy, unspun	Lb.	.16
Oil, gun and ice machine	Gal.	.28
Oil, burning, Colza	Gal.	1.06
Oil, engine, gas, light, in drums, No. 2135	Gal.	.25
Oil, engine, gas, extra heavy, in cases, No. 2250	Gal.	.28
Oil, engine, gas, extra heavy, in drums, No. 2250	Gal.	.25
Oil, kerosene, in drums	Gal.	.08
Oil, marine engine	Gal.	.31
Paint, lead, white, dry	Lb.	.11
Paint, lead, white, in oil	Lb.	.08
Paint, zinc oxide, dry	Lb.	.08
Paint, zinc oxide, in oil	Lb.	.10
Grease, gear, chain and wire rope, lubricating	Lb.	.04
Grease, yellow, cup, No. 3, medium	Lb.	.06
Grease, yellow, cup, No. 5, hard	Lb.	.06
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.06
Waste, cotton, white	Lb.	.08

Publication of Notices and Circulars of Interest to Shipping

Important Panama Canal notices to mariners, notices to steamship lines, and general circulars of interest to shipping in its relation to the Canal are published in THE PANAMA CANAL RECORD. For this reason it is considered unnecessary to make a separate general distribution away from the Isthmus of such notices and circulars to those receiving THE PANAMA CANAL RECORD. Shipping interests are advised to look for them in this paper, which is supplied to them without charge.

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